

## VII. Membership

1. MEMBERSHIP OF COMMISSIONS

COMMISSION NO 4.EPHEMERIDES (EPHEMERIDES)

PRESIDENT: T. Lederle

VICE-PRESIDENT: B. Morando

COMITE D'ORGANISATION: V.K. Abalakin, S. Aoki, R.L. Duncombe, J.H. Lieske, A. Orte, P.K. Seidelmann, A.M. Sinzi, G.A. Wilkins, B.D. Yallop.

MEMBRES: J. Arias-de-Greiff, A. Bandyopadhyay, A. Bec-Borsenberger, P. Bretagnon, J. Chapront, F. Chollet, A. Deprit, D.W. Dunham, B. Emerson, A.D. Fiala, W. Fricke, M.A. Fursenko, N.I. Glebova, F. Gondolatsch, R.F. Haupt, J. Henrard, P.M. Janiczek, K.J. Johnston, R.W. King Jr., H. Kinoshita, W.J. Klepczynski, B. Kolaczek, Y. Kubo, N.C. Lahiri, L.V. Morrison, I.I. Mueller, C. Oesterwinter, D.A. O'Handley, R.D. Reasenberg, H. Schwan, I.I. Shapiro, A.S. Sochilina, E.M. Standish Jr., G.E. Taylor, Y.T. Ting, T.C. Van Flandern, H.B. Wackernagel, J.G. Williams, G.M.R. Winkler, A. Yamazaki, X.-Z. Zhao.

COMMISSION NO 5.DOCUMENTATION ET DONNEES ASTRONOMIQUES (DOCUMENTATION AND ASTRONOMICAL DATA)

PRESIDENT: W.D. Heintz

VICE-PRESIDENT: G.A. Wilkins

COMITE D'ORGANISATION: O.B. Dluzhnevskaya, B. Hauck, C. Jaschek, P. Lantos, J.-C. Pecker, L. Schmadel, C.E. Worley.

MEMBRES: H.A. Abt, N. Baker, W.P. Bidelman, J. Bouska, R.J. Davis, M.S. Davis, D.W. Dewhirst, R.S. Dixon, R.L. Duncombe, W. Fricke, R.H. Garstang, R.F. Griffin, A. Heck, I. Heinrich, V.V. Ivanov, Z. Kadla, J. Kleczek, T. Lederle, J. Lequeux, M.C. Lortet, G. Lynga, D. Ya. Martynov, A. Maxwell, D.N. McNamara, J.M. Mead, A.J. Meadows, P. Mein, A.F.J. Moffat, S.A. Mitton, S. Nishimura, F. Ochsenbein, K.F. Ogorodnikov, L.E. Pasinetti, A.G.D. Philip, L.N. Radlova, L. Remy-Battiau, P.F. Renson, J. Sahade, K.H. Schmidt, J.R. Shakeshaft, I.S. Shcherbina-Samojlova, F. Spite, Y. Terashita, S.B. Tritton, A.G. Velghe, H.H. Voigt, W.H. Warren Jr., P.T. Wallace, P.A. Wayman, V. Weidemann, G. Westerhout.

COMMISSION NO 6.TELEGRAMMES ASTRONOMIQUES (ASTRONOMICAL TELEGRAMS)

PRESIDENT: M.P. Candy

VICE-PRESIDENT: A. Mrkos

Sans Comite d'Organisation

MEMBRES: F. Biraud, C.U. Cesco, L.E. Cunningham, E. Everhart, J.E. Grindlay, J. Hers, Y. Kozai, B.G. Marsden, D.YA. Martynov, K.A. Pounds, E. Roemer, L. Rosino, P. Simon.

COMMISSION NO 7.MECANIQUE CELESTE (CELESTIAL MECHANICS)

PRESIDENT: J. Kovalevsky

VICE-PRESIDENT: V. A. Brumberg

COMITE D'ORGANISATION: E. P. Aksenov, J. Chapront, S. Ferraz-Mello, J. Hadjidemetriou, J. Hénard, W. H. Jeffreys, Y. Kozai, H. Scholl, P. K. Seidelmann, A. Sinclair.

MEMBRES: V. K. Abalakin, K. Aksnes, C. A. Altavista, G. Antonacopoulos, S. Aoki, B. B. Baghos, G. Balmino, J. M. Batrakov, A. Bec-Borsenberger, D. Benest, D. G. Pettis, K. B. Bhatnagar, G. Bozis, E. Brieva, C. J. Brookes, R. Broucke, O. Calame, M. P. Candy, P. J. Cefola, R. P. Cid, G. Contopoulos, A. H. Cook, C. C. Counselman, L. E. Cunningham, J. M. A. Danby, M. S. Davis, S. Debarbat, V. G. Demin, J. De Orus, A. Deprit, J. R. Dormand, G. N. Duboshin, R. L. Duncombe, R. Dvorak, H. K. Eichhorn, P. E. Elyasberg, N. V. Emelianov, B. Erdi, E. Everhart, H. Fabre, P. Farinella, A. Fiala, C. Froeschle, I. V. Galibna, E. M. Gaposchkin, B. Garfinkel, S. Gaska, G. E. O. Giacaglia, P. Goldreich, C. L. Goudas, E. A. Grebenikov, R. J. Greenberg, N. P. Grushinskij, S. E. Hamid, D. C. Heggie, Y. E. Helali, M. Henon, G. Hori, V. A. Izvekov, P. M. Janiczek, A. H. Jupp, D. M. Katsis, W. H. Kaula, K. V. Kholshchevnikov, D. G. King-Hele, H. Kinoshitta, P. Kustaanheimo, P. Lala, J. P. Lazovic, J. H. Lieske, C. A. Lundquist, N. C. Magnaradze, C. Marchal, V. Markellos, B. G. Marsden, V. Matas, A. G. Mavraganis, J. Meffroy, R. Meire, W. G. Melbourne, G. A. Merman, J. Message, F. Mignard, A. Milani, O. C. Mohler, M. B. Moons, B. Morando, J. D. Mulholland, P. Musen, V. F. Myachin, P. E. Nacozy, F. Nahon, B. N. Noskov, V. S. Novoselov, D. A. O'Handley, C. Oesterwinter, T. B. Omarov, A. A. Orlov, S. J. Peale, M. S. Petrovskaya, D. A. Pierce, B. Popovic, B. W. J. Robinson, A. E. Roy, J. A. Ryabov, J. L. Sagnier, P. Sconzo, J. Schubart, L. Sehnal, W. Sessin, I. I. Shapiro, S. G. Sharaf, K. A. Shteins, M. Sidlichovsky, C. L. Siegel, Z. Sima, A. T. Sinclair, J. W. Siry, E. M. Standish, I. Stellmacher, G. F. Sultanov, V. Szebehely, S. K. Tatevian, M. Y. Tawadrous, D. B. Taylor, Y. Thiry, F. Tong, CH. Varvoglis, S. N. Vashkov'yak, R. Vilhena de Moraes, J. P. Vinti, C. A. Williams, M. S. Yarov-yarovoij, Z. -H. Yi, J. Yoshida, K. Zare, X. -Z. Zhao.

COMMISSION NO 8.ASTRONOMIE DE POSITION (POSITIONAL ASTRONOMY)

PRESIDENT: J. A. Hughes

VICE-PRESIDENT: Y. Requieme

COMITE D'ORGANISATION: G. Billaud, G. Carrasco, W. Fricke, V. S. Gubanov, E. Hoeg, B. L. Klock, J. A. Lopez, D. -J. Luo, M. Miyamoto, L. V. Morrison, I. Nikoloff, G. Teleki, Y. S. Yatskiv.

MEMBRES: C. A. Anguita, J. G. Argyracos, P. Bacchus, D. C. Backer, B. K. Bagildinskij, J. Bem, P. Benevides-Soares, R. Bien, R. L. Branham, W. N. Brouw, M. F. Bykov, R. A. Carestia, J. M. Chamberlain, N. A. Chernega, F. Chlietovsky, F. Chollet, T. E. Corbin, C. C. Counselman (III), T. Dambara, S. Debarbat, C. De Veigt, R. J. Dejaiffe, A. F. Dravskikh, D. P. Duma, R. L. Duncombe, H. K. Eichhorn, R. T. Fedorova, M. Feissel, H. -J. Fogh Olsen, V. A. Fomin, F. S. Gauss, W. Gliese, P. Grudler, A. P. Gulyaev, W. D. Heintz, L. Helmer, P. D. Hemenway, N. -S. Hu, K. Hurukawa, P. Jackson, K. Johnston, A. S. Kharin, Y. L. Kokurin, V. V. Konin, G. S. Kosin, J. Kovalevsky, F. Laclare, P. Lacroute, S. Laustsen, T. Lederle, D. -M. Li, N. -Y. Li, L. Lindgren, P. Loyola, W. T. Manrique, E. Marcus, L. N. Mavridis, P. Melchior, L. A. Mitic, C. A. Murray, A. I. Nefed'eva, A. A. Nemiro, F. Noel, J. J. S. P. Osorio, G. M. Petrov, J. Pham-Van, K. Pilowski, G. I. Pinigin, V. V. Podobed, G. Polnitzky, D. D. Polozhentsev, A. Poma, E. Proverbio, L. Quijano, E. Raimond, A. Reiz, W. H. Robertson,

S.Roeser, J.-M.Rousseau, J.L.Russell, I.Rusu, S.Sadzakov, M.Sanchez, K.Sato, F.Schmeidler, H.Schwan, B.M.Sevarlic, K.P.Sims, C.A.Smith, L.Stange, R.Stone, D.V.Thomas, R.H.Tucker, P.T.Wallace, H.G.Walter, H.W.Wood, T.-Q.Xu, A.Yamazaki, H.Yasuda, S.-H.Ye, M.Yoshizawa, L.Yu, M.S.Zverev.

COMMISSION NO 9.

INSTRUMENTS ASTRONOMIQUES (ASTRONOMICAL INSTRUMENTS)

PRESIDENT: W.C.Livingston

VICE-PRESIDENT: C.M.Humphries

COMITE D'ORGANISATION: J.C.Bhattacharyya, J.Davis, J.L.Heudier, I.M.Kopylov, G.Lelievre, J.P.Maillard, A.B.Meinel, N.N.Mikhel'son, E.H.Richardson, J.Ring, J.Rosch, N.Steshenko, R.G.Tull, M.F.Walker, W.L.Wilcock, G.Wlerick.

MEMBRES: H.D.Ables, C.Aime, T.R.Albrecht, P.D.Atherton, H.W.Babcock, A.Baranne, W.A.Baum, R.Beer, R.G.Bingham, J.Borgnino, J.Brault, J.B.Breckinridge, I.I.Breido, W.B.Burton, B.Campbell, P.Charvin, D.Clarke, D.L.Crawford, D.G.Currie, J.N.Desai, O.D.Dokuchaeva, D.Dravins, M.Duchesne, T.Dunham Jr., L.Dunkelman, D.Enard, O.Engvold, C.Fehrenbach, J.M.Fletcher, A.F.Fomenko, W.K.Ford Jr., F.S.Gauss, J.Gay, P.R.Gillingham, I.S.Glass, V.M.Grigorjev, W.Grundmann, D.Gutke, C.F.W.Harmer, D.L.Harmer, H.M.Heckathorn, A.Hewitt, N.-S.Hu, E.J.Hysom, B.K.Ioannisianni, A.P.Jayarajan, S.Jeffers, J.V.Jelley, H.Jenkner, B.Jones, R.D.Joseph, I.D.Karachentsev, T.A.Kipper, K.E.Kissell, B.L.Klock, P.Koehler, Y.P.Korovyakovskij, B.J.Kovachev, T.J.N.Kreidel, K.Kuehne, A.Labeyrie, B.E.Lasker, M.Lelyer, G.R.Lemaitre, D.H.Martins, J.D.Mcgee, D.McMullan, L.Mertz, A.G.Millikan, B.L.Morgan, D.C.Morton, S.S.Murray, Y.Nakai, J.Nelson, V.B.Nikonov, S.Nishimura, R.S.Nunes, C.R.O'Dell, G.Odgers, A.J.Penny, A.D.Petford, J.D.Pope, C.J.Pritchett, V.V.Prokof'eva, A.Th.Purgathofer, R.Racine, K.D.Rakos, N.K.Reay, L.B.Robinson, C.Roddiere, F.Roddiere, L.Rusconi, V.S.Rylov, C.Sanchez Magro, G.V.Schultz, J.D.Schumann, B.Servan, P.V.Shcheglov, K.Shivanandan, H.J.Smith, M.J.Smyth, J.W.Storey, D.-G.Su, J.-P.Swings, H.Tueg, B.L.Ulich, B.Valnicek, G.W.Van Citters, F.J.Vrba, A.R.Walker, G.A.H.Walker, P.T.Wallace, D.C.Wells, R.M.West, J.A.Westphal, H.Woehl, S.P.Worden, X.-L.Wu, A.Wyller, Ch.G.Wynne, S.-J.Yang, B.Zealey.

COMMISSION NO 10.

ACTIVITE SOLAIRE (SOLAR ACTIVITY)

PRESIDENT: E.Tandberg Hanssen

VICE-PRESIDENT: M.Pick

COMITE D'ORGANISATION: A.Bhatnagar, V.Gaizauskas, E.A.Gurtovenko, E.Machado, D.B.Melrose, E.Priest, K.Tanaka, H.Zirin.

MEMBRES: A.R.Abbasov, A.Abrami, H.S.Ahluwalia, C.Alistandrakis, R.C.Altrock, M.D.Altshuler, M.K.M.Aly, P.Ambroz, K.A.Anderson, A.Antalova, S.K.Antiochos, R.G.Athay, Y.Avignon, E.Balli, V.Banin, C.H.Barrow, J.R.Bates, J.M.Beckers, B.Bell, G.Belvedere, A.O.Benz, D.E.Billings, A.D.Bonov, J.-L.Bougeret, R.Bray, J.C.Brown, G.Brueckner, E.Bruener, A.Bruzek, V.Bumba, C.J.Cannon, P.Carlvist, G.A.Chapman, B.Chen, Chungchien Cheng, V.E.Chertoprud, E.L.Chupp, M.Cimino, H.E.Coffey, R.Coutrez,

A.E.Covington, C.J.Crannell, J.L.Culhane, I.K.Czada, K.P.Dare, A.Datlowe, T.de Groot, C.de Jager, B.R.Dennis, K.P.Dere, F.L.Deubner, L.Dezso, Y.-J.Ding, M.Dizer, H.Dodson-Prince, A.Dollfus, M.Dryer, E.E.Dubov, G.A.Dulk, R.A.Duncan, R.B.Dunn, J.Eddy, G.H.Elste, O.Engvold, W.Erickson, R.Falciani, F.Farnik, W.A.Feibelman, K.-J.Feng, A.D.Fokker, T.Fortini, E.Fossat, H.Friedman, L.Fritzova-Svestkova, A.H.Gabriel, D.Galloway, T.E.Gergely, G.B.Gel'frejkh, R.L.Gilliland, P.A.Gilman, R.G.Giovanelli, W.Gleissberg, R.S.Gnevysheva, G.Godoli, M.H.Gokhale, S.T.Gopasjuk, R.E.Guseinov, J.P.Hagen, J.Hanasz, R.T.Hansen, J.Harvey, E.Haug, J.Hayward, E.R.Hedeman, E.Hiei, E.Hildner, T.Hirayama, T.E.Holzer, R.Howard, G.J.Hurford, C.Hyder, B.Ioshpa, V.I.Ivanchuk, F.W.Jaeger, J.Jakimiec, E.Jensen, K.Jockers, H.P.Jones, O.Kaburaki, K.Kai, B.Kalman, M.Kanno, M.O.Kjeldseth, J.Kleczeck, M.Klvana, S.Knoska, A.Koeckelenberg, M.Kopecky, S.Koutchmy, A.Kovacs, N.I.Kozhevnikov, V.A.Krat, F.Krause, L.Krivsky, A.Krueger, J.Kubota, G.V.Kuklin, M.R.Kundu, H.Kunzel, M.Kuperus, H.Kurokawa, L.N.Kurochka, P.B.Landecker, D.A.Landman, J.Leibacher, J.-L.Leroy, X.-Q.Li, J.V.Lincoln, M.A.Livshits, R.E.Loughhead, B.-C.Low, R.MacQueen, C.J.Macris, M.Makita, H.H.Malitson, P.Maltby, J.M.Malville, S.L.Mandelstam, M.J.Martres, O.T.Matsura, W.Mattig, A.Maxwell, M.McCabe, S.M.P.McKenna Lawlor, D.McLean, P.Mein, J.Mergentaler, A.G.Michalitsianos, R.Michard, E.I.Mogilevskij, O.C.Mohler, I.G.Moiseev, G.E.Moreton, F.Moriyama, N.N.Morozhenko, S.Motta, R.Muller, E.R.Mustel, S.Nagasawa, Y.Nakagawa, O.Namba, G.J.Nelson, W.M.Neupert, G.Newkirk Jr., K.Nishi, R.W.Noyes, H.Nussbaumer, V.A.Obridko, K.Ohki, F.Q.Orrall, J.H.Parkinson, W.H.Parkinson, L.Paterno, B.M.Pedersen, K.Pflug, K.J.H.Phillips, J.-P.Picat, J.H.Piddington, G.W.Pneuman, P.N.Polupan, M.A.Raadu, A.P.Rao, J.Rayole, D.E.Rees, E.M.Reeves, E.J.Rhodes Jr., M.Rigutti, B.Roberts, R.D.Robinson, M.Roemer, P.R.Romanchuk, B.Rompolt, J.Rosch, I.W.Roxburgh, J.P.Rozelot, B.M.Rubashev, V.Rusin, D.Rust, V.Ruzdjak, B.Ruzickova-Topolova, M.Rybanski, K.Saito, K.Sakurai, C.Sawyer, K.H.Schatten, A.Schluter, E.J.Schmahl, B.Schmieder, H.U.Schmidt, S.A.Schoolman, E.H.Schroeter, M.Semel, R.Servajejan, A.B.Severnoy, A.H.Shapley, M.A.Shea, N.R.Sheeley Jr., R.A.Shine, R.Silberberg, G.F.Sitnik, E.M.Slonim, D.F.Smith, E.V.P.Smith, Henry.J.Smith, G.Smolkov, D.S.Spicer, H.C.Spruit, G.Stellmacher, J.O.Stenflo, N.N.Stepanian, V.E.Stepanov, N.V.Steshenko, M.Stix, P.A.Sturrock, J.Suda, Z.Suemoto, Z.Svestka, J.Sykora, T.Takakura, R.Talon, T.Tamenaga, H.Tanaka, R.G.Teske, E.Tifrea, A.Tlamicha, M.Trellis, B.Tritakis, R.Treumann, J.Tuominen, Y.Uchida, J.H.Underwood, B.Valnicek, J.A.Van Allen, G.Van Hoven, F.Van't Veer, A.A.Vaughan, D.Venkatesan, S.K.Vinod, J.Vorpahl, J.C.Vial, Ju.I.Vitinskij, G.F.Vyalshin, M.Waldmeier, D.G.Wentzel, E.Wiehr, J.Wilcox, J.P.Wild, P.Wilson, A.Wittman, H.Wohl, L.Woltjer, Shi-Tsan Wu, J.Xanthakis, N.A.Yakovkin, S.-H.Ye, H.Yoshimura, R.A.Zappala, A.Zelenka, B.-R.Zhang, H.-Q.Zhang, Z.-D.Zhang, Y.D.Zhugzhda, P.Zlobec, Y.-X.Zou, C.Zwaan.

COMMISSION NO 12.

RADIATION ET STRUCTURE DE L'ATMOSPHERE SOLAIRE

(RADIATION AND STRUCTURE OF THE SOLAR ATMOSPHERE)

PRESIDENT: R.W.Noyes

VICE-PRESIDENT: M.Kuperus

COMITE D'ORGANISATION: B.Chen, F.L.Deubner, E.Fossat, J.W.Harvey, V.A.Kotov, J.Leibacher, K.R.Sivaraman, J.O.Stenflo, Y.Uchida, P.R.Wilson.

MEMBRES: L.Acton, M.G.Adam, C.Aime, C.E.Alissandrakis, C.W.Allen, R.C.Altrock, M.Alschuler, H.Ando, G.M.R.Ansari, R.G.Athay, D.B.Beard, J.M.Beckers, J.E.Beckman, N.Bel, G.Benford, A.Bhatnagar, J.C.Bhattacharyya, D.E.Billings, D.E.Blackwell, J.E.Blamont, K.M.Bohm, E.Bohm-Vitense, R.Bonnet, D.L.Book, J.W.Brault, R.J.Bray,

J.B. Breckenridge, G.E. Brueckner, E.C. Bruener Jr., A. Bruzek, V. Bumba, C. Cannon, G. Ceppatelli, G.A. Chapman, C.C. Cheng, V.F. Chistyakov, E. Chvojikova, T.A. Clark, J.W. Cook, A.N. Cox, I.J.D. Craig, L.E. Cram, P. Delache, L. Delbouille, C. de Jager, L. Dezso, D. Dravins, E.E. Dubov, S. Dumont, L. Dunkelman, R.B. Dunn, F.N. Edmonds, I. Elliott, G. Elste, G.L. Epstein, J.V. Evans, R. Falciani, U. Feldman, A. Fiala, P. Foukal, E.M. Frazier, H. Friedman, A. Gabriel, V. Gaizauskas, V.P. Gaur, O.J. Gingerich, R.G. Giovanelli, M.N. Gnevyshev, G. Godoli, N. Gokdogan, L. Goldberg, M.V. Goldman, M.T. Gomez, S.I. Gopaschuk, C. Gordon, N. Grevesse, E.A. Gurtovenko, S.S. Hasan, R.F. Haupt, E. Hiei, T. Hirayama, H. Holweger, B.H. Horton, M. Hotinli, L. House, R. Howard, R.M.E. Illing, J.T. Jefferies, H.P. Jones, C. Jordan, S. Jordan, B. Kalman, M. Kanno, S. Kato, P. Kaufmann, I. Kawaguchi, S.L. Keil, T.S. Khetsuriani, F. Kneer, E.V. Kononovich, M. Kopecky, S. Koutchmy, G.G. Kraemer, V.A. Krat, A. Kubicela, G.V. Kuklin, M.R. Kundu, G. Laborde, D. Labs, B.J. La Bonte, D.A. Landman, R.B. Leighton, J.-L. Leroy, J.L. Linsky, W.C. Livingston, J.L. Locke, M. Lopez-Arroyo, R.E. Loughhead, R. Luest, E.A. Makarova, M. Makita, M. Marik, E. Marilli, J.T. Mariska, S. Matsushima, W. Mattig, S.M.P. McKenna Lawlor, P. Mein, J. Mergentaler, R. Mewe, R. Michard, M.V. Migeotte, D. Mihalas, R. Milkey, CH. Moore-Sitterly, F. Moriyama, Z. Mouradian, E.A. Mueller, R.H. Munro, O. Namba, L. Neven, G.A. Newkirk, K.R. Nicolas, M. Nicolet, G.M. Nikolsky, K. Nishi, A. Nordlund, F.Q. Orral, Y. Osaki, L. Oster, M.C. Pande, D. Papathanasoglou, W.H. Parkinson, J.M. Pasachoff, J.-C. Pecker, R. Peyturaux, K. Pflug, A.K. Pierce, R.E. Rees, E.M. Reeves, G. Righini, M. Rigutti, G. Roberti, F. Roddier, G. Roland, V. Rusin, R.J. Rutten, M. Rybansky, J.I. Sakai, D. Samain, T. Sakurai, E.J. Schmahl, S.J. Schwartz, M.J. Seaton, M. Semel, A.B. Severny, M.J. Shallis, R.A. Shine, G.F. Sitnik, A. Skumanich, V.M. Sobolev, P. Souffrin, D.S. Spicer, J. Staude, R. Stebbins, G. Stellmacher, V.E. Stepanov, M. Stix, Z. Suemoto, Z. Svestka, J.W. Swensson, K. Tanaka, E. Tandberg-Hanssen, R.B. Teplitskaya, J.H. Thomas, R.N. Thomas, R. Tousey, T.T. Tsap, W. Unno, U.K. Uus, A. Unsold, G. Van Hoven, G. Va. Vasil'eva, A.H. Vaughan, J.C. Vial, S. Volonte, M. Vukicevic-Karabin, M. Waldmeier, J.W. Warwick, D.G. Wentzel, A.D. Wittman, G. Wlerick, H. Wohl, S.P. Worden, L.-X. Wu, A. Wyller, H. Yoshimura, N.H. Youssef, A. Zelenka, Y.N. Zhugzhda, H. Zirin, J.B. Zirker, C. Zwaan.

COMMISSION NO 14.

DONNEES ATOMIQUES ET MOLECULAIRES (ATOMIC AND MOLECULAR DATA)

PRESIDENT: A.H. Gabriel

VICE-PRESIDENT: R.W. Nicholls

COMITE D'ORGANISATION: D.R. Johnson, S.L. Mandel'shtam, H. Nussbaumer, J.G. Phillips, S. Sahal, K. Takayanagi, W. Wiese.

MEMBRES: S.J. Adelman, C.W. Allen, K.L. Andrew, M.-Chr. Artru, K.M. Baird, H.A.G. Barnard, R. Barrow, D.R. Bates, O. Bely, F. Bely-Dubau, K.A. Berrington, E. Biemont, J.H. Black, M. Blaha, L.M. Branscomb, J.W. Brault, G.E. Bromage, A. Burgess, D.F. Carbon, P.K. Carroll, J.H. Carver, A.H. Cook, C.H. Corliss, S.J. Czyzak, A. Dalgarno, A.H. Delsemme, J. Desesquelles, G.H.F. Diercksen, P.P. Dobronravin, K. Dressler, J. Dubau, M. Dufay, B. Edlen, E. Engelhard, G.L. Epstein, P. Faucher, N. Feautrier, P. Felenbok, U. Fink, D. Flower, R.H. Garstang, W.R.S. Garton, Yu.V. Glagolevskij, C. Goldbach, I.P. Grant, L.C. Green, D.W.O. Heddle, R.A. Hefferlin, R. Herman, G. Herzberg, J.E. Hesser, L.L. House, M.C.E. Huber, W.F. Huebner, C.J. Humphreys, A.W. Irwin, P. Jacquinet, F.M. Johnson, F. Joly, C. Jordan, H.L. Jordan, J. Junkes, T. Kato, K.G. Kessler, R.B. King, A.E. Kingston, T.A. Kipper, J.L. Kohl, A. Lagerqvist, D.A. Landman, J. Lang, J.-M. Launay, G.M. Lawrence, D. Layzer, W. Lochte-Holtgreven, M. Loulergue, F.J. Lovas, B.L. Lutz, J.P. Maillard, M. Malinovsky, W.C. Martin, H.E. Mason, R.W.P. McWhirter, O.A. Mel'nikov, R. Mewe, M. Migeotte, O.C. Mohler, A. Monfils, CH. Moore-Sitterly, T.E. Nevin, G.H. Newsom,

G.Nollez, S.Obi, L.Oetken, T.Oka, A.Omont, G.S.Orton, W.H.Parkinson, G.Peach, D.Petrini, B.Petropoulos, H.Pfennig, V.K.Prokof'ev, F.Querci, J.Richter, J.E.Ross, E.Roueff, A.Schadee, J.Schrijver, M.J.Seaton, B.W.Shore, M.Simoda, J.A.Smit, G.Smith, P.L.Smith, W.H.Smith, W.B.Somerville, N.G.Sorensen, L.Steenman-Clark, V.S.Strelnitsky, H.P.Summers, J.P.Swings, P.Swings, J.B.Tatum, J.Tech, R.Tousey, E.Trefftz, H.Van Regemorter, W.Van Rensbergen, C.M.Varsavsky, D.A.Varshalovich, H.Voelk, S.Volonte, V.Vujnovic, G.W.Wares, J.C.Weisheit, S.Weniger, R.Wilson, G.Winnewisser, L.G.Young, C.J.Zeippen, H.Zirin.

COMMISSION NO 15.

ETUDE PHYSIQUE DES COMETES, DES PETITES PLANETES ET DES METEORITES

(PHYSICAL STUDY OF COMETS, MINOR PLANETS AND METEORITES)

PRESIDENT: C.R.Chapman

VICE-PRESIDENT: L.Kresak

COMITE D'ORGANISATION: B.D.Donn, F.Dossin, H.Fechtig, M.Festou, D.L.Matson, H.U.Schmidt, Z.Sekanina, L.M.Shulman, J.Wasson, G.W.Wetherill, L.Wilkening.

MEMBRES: M.F.A'hearn, C.Allegre, E.Anders, D.A.Andrienko, C.Arpigny, E.Barker, D.B.Beard, Ch.Bertaud, M.Beyer, L.Biermann, J.E.Blamont, N.T.Bobrovnikoff, J.Bouska, E.L.G.Bowell, J.C.Brandt, A.Brecher, W.Brunk, L.F.Burlaga, J.A.Burns, M.P.Candy, Z.Ceplecha, V.I.Cherednichenko, W.Cochran, C.B.Cosmovici, C.Cristescu, J.Crovisier, D.P.Cruikshank, A.Danks, C.Degewij, A.H.Delsemme, A.A.Demenko, I.C.Degewij, W.A.Deutschman, O.V.Dobrovsky, A.E.Douglas, M.Dryer, A.T.Ershkovich, E.Everhart, A.Eviatar, P.Farinella, P.Feldman, J.A.Fernandez, M.Gaffey, T.Gehrels, E.Gerard, D.M.Gibson, R.H.Giese, J.Gradie, J.M.Greenberg, L.Grossman, S.Grudzinska, E.Grun, I.Halliday, M.S.Hanner, B.W.Hapke, A.W.Harris, W.K.Hartmann, M.O.Harwit, L.Haser, H.Haupt, G.Herzberg, W.F.Huebner, D.W.Hughes, R.Hutchinson, K.Ibadinov, W.Irvine, S.Isobe, W.M.Jackson, K.Jockers, T.V.Johnson, H.U.Keller, R.F.Knack, L.Kohoutek, V.P.Konopleva, C.T.Kowal, E.L.Krinov, P.Lamy, P.Lancaster Brown, H.P.Larson, L.A.Lebovsky, A.C.Levasseur-Regourd, B.J.Levin, W.Liller, C.F.Lillie, C.A.Lindsey, R.Luest, D.F.Lupishko, R.A.Lyttleton, D.J.Malaise, S.P.Maran, B.G.Marsden, M.T.Martel-Chossat, O.T.Matsuura, T.B.McCord, R.E.McCroskey, S.M.P.McKenna-Lawlor, D.Meisel, D.A.Mendis, B.Milet, F.D.Miller, P.Millman, E.Moore, D.D.Morrison, A.Mrkos, T.Nakamura, J.S.Neff, N.F.Ness, R.L.Newburn, C.R.O'Dell, J.A.O'Keefe, E.J.Opik, P.Pellas, H.A.Perez-de-Tejada, C.B.Pilcher, E.M.Pittich, P.Proisy, J.Rahe, L.Remy-Battiau, D.Revelle, E.Roemer, F.Scaltriti, M.V.Schmidt, M.Shimizu, A.M.Simonenko, K.R.Sivaraman, L.E.Snyder, P.Swings, H.Takeda, H.Tanabe, E.F.Tedesco, K.Tomita, V.Vanysek, G.J.Veeder, J.F.Veverka, S.K.Vsekhsvjatskij, M.Wallis, J.Wasson, R.L.Waterfield, P.Wehinger, P.R.Weissman, F.L.Whipple, L.L.Wilkening, W.Wisniewski, J.A.Wood, A.Woszczyk, S.Wyckoff, A.A.Yavnel', D.Yeomans, V.Zappala, B.H.Zellner.

COMMISSION NO 16.

ETUDE PHYSIQUE DES PLANETES ET DES SATELLITES

(PHYSICAL STUDY OF PLANETS AND SATELLITES)

PRESIDENT: V.G.Teijfel'

VICE-PRESIDENT: G.E.Hunt



COMITE D'ORGANISATION: R.F.Beebe, J.L.Bertaux, A.Brahic, J.L.Elliot, D.Gautier, L.V.Ksanfomaliti, M.Y.Marov, H.Masursky, G.Neukum, T.C.Owen, V.V.Shevchenko, B.A.Smith.

MEMBRES: T.Akabane, E.Anders, D.W.G.Arthur, C.H.Barrow, W.A.Baum, R.Beer, M.S.Belton, P.Bender, G.L.Berge, J.E.Blamont, M.S.Bobrov, L.N.Bondarenko, P.B.Boyce, A.Brecher, A.L.Broadfoot, W.E.Brunck, K.E.Bullen, J.A.Burns, N.F.Bystrov, O.Calame, W.S.Cameron, H.Camichel, D.B.Campbell, S.Catalano, J.W.Chamberlain, C.R.Chapman, E.H.Collinson, G.Colombo, A.F.Cook, J.Connes, C.C.Counselman, D.P.Cruikshank, M.E.Davies, J.Degewij, W.C.De Marcus, G.De Mottoni y Palacios, J.R.Dickel, A.Dollfus, F.D.Drake, V.P.Dzhapiashvili, F.El Baz, W.E.Elston, Von R. Eshleman, L.W.Esposito, D.S.Evans, P.Farinella, G.Fielder, U.Fink, K.P.Florenskij, K.Fox, L.S.Galkin, I.V.Gavrilov, J.E.Geake, T.Gehrels, J.Geiss, H.L.Giclas, P.Gierasch, T.Gold, P.Goldreich, R.M.Goldstein, R.M.Goody, P.Gorenstein, C.L.Goudas, J.Green, L.Grossman, P.Guerin, J.E.Guest, S.Gulkis, S.T.Habibullin, T.Hagfors, J.S.Hall, I.Halliday, G.Herzberg, G.P.Horedt, J.W.Hovenier, W.B.Hubbard, D.M.Hunten, H.C.Ingrao, W.M.Irvine, K.Iwasaki, H.Jeffreys, T.V.Johnson, R.F.Jurgens, R.V.Karandikar, W.M.Kaula, R.I.Kiladze, V.S.Kislyuk, Y.Kondo, Z.Kopal, N.A.Kozyrev, S.S.Kumar, V.G.Kurt, A.D.Kuzmin, A.L.Lane, H.P.Larson, G.A.Lejkin, B.J.Levin, J.S.Lewis, F.Link, G.W.Lockwood, B.L.Lutz, D.Ya.Martynov, D.L.Matson, C.H.Mayer, T.B.McCord, M.B.McElroy, A.J.Meadows, B.M.Middlehurst, J.S.Mikhail, R.L.Millis, P.M.Millman, S.Miyamoto, P.Moore, V.I.Morov, A.V.Morozhenko, D.Morrison, L.V.Morrison, M.Moutsoulas, J.D.Mulholland, R.E.Murphy, Y.Nakagawa, N.F.Ness, J.A.O'Keefe, E.J.Opik, I.Ottelet, K.Pang, B.Petropoulos, G.H.Pettengill, J.B.Pollack, J.Rosch, S.K.Runcorn, E.L.Ruskol, V.Safronov, C.Sagan, M.U.Sagitov, J.Saissac, I.I.Shapiro, T.Shimizu, E.Shoemaker, W.Sinton, H.J.Smith, R.Smoluchowski, L.A.Soderblom, C.P.Sonett, E.C.Stone, D.F.Strobel, R.G.Strom, J.D.Strong, R.J.Terrile, C.Tombaugh, T.W.Thompson, L.Trafton, V.S.Troitsky, G.L.Tyler Jr., J.A.Van Allen, T.C.Van Flandern, J.Veverka, R.M.Walker, L.V.Wallace, L.H.Wasserman, J.T.Wasson, T.Weimer, G.W.Wetherill, E.A.Whitaker, R.L.Willey, I.P.Williams, J.G.Williams, J.A.Wood, A.Woszczyk, C.F.Yoder, A.T.Young, L.G.Young.

#### COMMISSION NO 19.

#### ROTATION DE LA TERRE (ROTATION OF THE EARTH)

PRESIDENT: Ya.S.Yatskiv

VICE-PRESIDENT: W.Klepczynski

COMITE D'ORGANISATION: F.Barlier, H.Enslin, C.Kakuta, B.Kolaczek, I.I.Mueller, V.Naumov, P.Paquet, E.Proverbio, M.G.Rochester, S.-Y.Ye, K.Yokoyama.

MEMBRES: H.J.M.Abraham, D.Arabelos, P.L.Bender, N.S.Blinov, G.Billaud, J.Bonanomi, P.Brosche, O.Calame, W.Cannon, M.Catalan, D.Currie, W.E.Carter, J.G.Davies, S.V.Debarbat, R.Dejaiffe, D.Djurovic, C.Dramba, B.Elsmore, J.L.Fanselow, E.P.Fedorov, M.Feissel, H.F.Fliegell, J.Gaignebet, E.M.Gaposhkin, E.Groten, B.Guinot, R.G.Hall, H.Hellwig, G.Hemmler, K.Hosoyama, K.Hurukawa, S.Iijima, W.Jaks, H.Jeffreys, A.M.Kalmykov, R.King, S.H.Knowles, Y.Kokurin, L.D.Kostina, Y.Kozai, K.Lambeck, T.Lederle, M.Lefebvre, J.J.Levallois, J.H.Lieske, D.-J.Luo, S.Manabe, Wm.Markowitz, O.N.Matsakis, D.D.McCarthy, M.Meinig, W.Melbourne, P.J.Melchior, J.Mietelski, A.A.Mikhailov, V.Milovanovic, M.Miyadi, J.Moczko, P.Morgan, L.V.Morrison, T.Nicolini, A.M.Nobili, N.P.J.O'Hara, I.Okamoto, S.Okazaki, T.Okuda, M.Ooe, W.Opalski, A.Orte, L.Oterma, N.N.Parijskij, N.N.Pavlov, J.D.H.Pilkington, A.Poma, J.Popelar, N.A.Popov, Y.I.Prodan, L.Randic, J.-P.Ren, D.S.Robertson, S.K.Runcorn, L.V.Rykhlova, V.I.Sakharov, M.Sanchez, T.Sasao, K.Sato, R.E.Schutz, N.Sekiguchi, B.M.Sevarlic,

M.Sevilla, I.I.Shapiro, E.Silverberg, M.Slade, F.G.Smith, H.M.Smith, D.E.Smylie, G.Stanila, F.R.Stephenson, A.Stoyko, C.Sugawa, S.Takagi, B.D.Tapley, V.K.Tarady, G.Teleki, D.V.Thomas, M.Torao, M.Tsao, I.Tsubokawa, G.Veis, R.Vicente, J.Vondrak, T.-S.Wan, K.Wako, W.Ward, G.Wilkins, J.G.Williams, P.Wilson, G.Winkler, S.-X.Wu, T.-Q.Xu, S.Yumi.

COMMISSION NO 20.

POSITIONS ET MOUVEMENTS DES PETITES PLANETES, DES COMETES ET DES SATELLITES

(POSITIONS AND MOTIONS OF MINOR PLANETS, COMETS AND SATELLITES)

PRESIDENT: E.Roemer

VICE-PRESIDENT: C.J.Van Houten

COMITE D'ORGANISATION: V.Yu.Batratkov, M.P.Candy, Y.Kozai, L.Kresak, L.K.Kristensen, B.G.Marsden, H.Scholl, G.E.Taylor, D.K.Yeomans, Y.Z.Zhang,

MEMBRES: V.K.Abalakin, M.F.A'hearn, K.Aksnes, S.J.V.Arend, P.B.Babadzhanov, A.Bec-Borsenberger, N.A.Belyaev, D.Benest, J.C.Bennett, M.Bielicki, R.Bien, F.Boerngen, E.L.G.Bowell, R.L.Branham, J.A.Bruwer, J.A.Burns, O.Calame, A.Carusi, N.S.Chernykh, C.Cristescu, L.E.Cunningham, M.De Pascual Martinez, H.Debehogne, A.H.Delsemme, M.A.Dirikis, D.W.Dunham, R.Dvorak, F.K.Edmondson, J.L.Elliot, Yu.V.Evdokimov, E.Everhart, S.Ferraz-Mello, F.A.Franklin, R.R.Freitas Mourao, C.Froeschle, I.V.Galibina, B.Garfinkel, T.Gehrels, H.L.Giclas, A.C.Gilmore, R.J.Greenberg, R.S.Harrington, A.W.Harris, I.Hasegawa, E.F.Helin, P.D.Hemenway, J.Hers, H.Hurnik, K.Hurukawa, P.A.Ianna, V.A.Izvekoy, E.I.Kazimirschak-Polonskaya, A.S.Khatsiashvili, T.Kiang, A.R.Klemola, L.Kohoutek, J.Kovalevsky, C.T.Kowal, C.I.Lagerkvist, J.H.Lieske, B.A.Lindblad, N.R.Lomb, M.Lovas, R.E.McCrosky, B.Milet, R.Millis, B.Mintz-Blanco, B.Morando, J.D.Mulholland, P.E.Nacozy, T.Nakamura, A.M.Nobili, L.Oterma, D.Pascu, D.A.Pierce, E.M.Pittich, B.Popovic, M.B.Protitch, L.Quijano, M.Rapaport, H.Rickman, W.H.Robertson, J.L.Sagnier, L.D.Schmadel, G.Schrutka, J.Schubart, H.-E.Schuster, P.K.Seidemann, Z.Sekanina, P.J.Shelus, V.A.Shor, K.A.Shtejns, A.T.Sinclair, G.Sitarski, W.Strobel, G.F.Sultanov, Ko.Tomita, C.Torres, S.Vaghi, T.C.Van Flandern, I.Van Houten-Groeneveld, S.K.Vsekhsvyatskij, D.T.Vu, L.H.Wasserman, P.R.Weissman, R.M.West, F.L.Whipple, P.-Wild, I.P.Williams, J.G.Williams, N.Yakhontova-samojlova, P.E.Zadunaisky, V.Zappala, J.-X.Zhang, K.Ziolkowski.

COMMISSION NO 21.

LA LUMIERE DU CIEL NOCTURNE (THE LIGHT OF THE NIGHT SKY)

PRESIDENT: R.H.Giese

VICE-PRESIDENT: K.Mattila

COMITE D'ORGANISATION: R.Dumont, Y.I.Galperin, M.S.Hanner, A.C.Levasseur-Regourd, F.Sanchez-Martinez, H.Tanabe, J.L.Weinberg.

MEMBRES: P.Alvarez, K.Anderson, R.Angione, A.S.Asaad, W.J.Baggaley, C.J.Banos, D.R.Bates, D.E.Blackwell, J.E.Blamont, A.L.Broadfoot, J.W.Chamberlain, A.F.Cook, J.Dachs, N.B.Divari, M.Dufay, L.Dunkelman, H.Elsasser, H.Fechtig, P.D.Feldman,

L.M.Fishkova, M.Fracassini, J.M.Greenberg, I.Halliday, M.Harwit, U.Haug, R.C.Henry, W.Hofmann, M.Huruhata, G.S.Ivanov-Kholodny, J.F.James, A.H.Jarrett, J.Kaplan, R.V.Karandikar, Z.V.Karygina, A.Kastler, H.B.Knaflich, S.Koutchmy, P.V.Kulkarni, P.Lamy, C.Leinert, C.F.Lillie, F.Link, T.Matsumoto, M.Maucherat-Joubert, T.G.Megrelishvili, N.Y.Misconi, D.H.Morgan, S.Mukai, T.Mukai, S.Nawar, L.Neužil, E.P.Ney, M.Nicolet, V.B.Nikonov, T.Nishimura, L.E.Pasinetti, R.W.B.Pearce, J.Pfleiderer, E.Pitz, M.Rapaport, H.W.Ripken, F.E.Roach, R.Robley, R.G.Roosen, D.A.Rozhkovskij, C.Sanchez-Magro, P.P.Saxena, M.Schuessler, A.S.Sharov, R.K.Soberman, J.G.Sparrow, H.J.Staude, T.I.Toroshlidze, Y.L.Trutse, J.A.Tyson, J.A.Van Allen, H.C.Van de Hulst, L.V.Wallace, G.Weill, S.Weniger, A.N.Witt, R.D.Wolstencroft, R.H.Zerull.

COMMISSION NO 22.

METEORES ET LA POUSSIERE INTERPLANETAIRE (METEORS AND INTERPLANETARY DUST)

PRESIDENT: O.I.Belkovich

VICE-PRESIDENT: D.E.Brownlee

COMITE D'ORGANISATION: P.B.Babadzahnov, W.J.Baggaley, W.G.Elford, H.Fechtig, M.S.Hanner, J.A.M.McDonnell, J.Stohl, K.Tomita.

MEMBRES: W.N.Abbott, E.Anders, D.B.Bear, R.S.Bibarsov, A.T.Blackwell, Z.Cepulecha, K.S.Clifton, A.F.Cook, J.G.Davies, J.Davis, E.L.Fireman, R.H.Giese, B.P.Glass, E.Grun, M.Hajdukova, A.Hajduk, M.S.Halliday, G.A.Harvey, I.Hasegawa, G.S.Hawkins, C.L.Hemenway, J.S.Hey, P.W.Hodge, S.S.Hong, J.A.Hoppe, D.W.Hughes, L.G.Jacchia, R.C.Jennison, J.Jones, T.R.Kaiser, B.L.Kashscheev, L.A.Katasev, C.S.L.Keay, A.Kizilirmak, K.V.Kostylev, Kh.N.Kramer, L.Kresak, M.Kresakova, E.L.Krinov, Z.Kviz, P.Lamy, V.N.Lebedinets, B.J.Levin, B.A.Lindblad, A.C.B.Lovell, R.E.McCrosky, B.A.McIntosh, H.Miles, P.M.Millman, N.Y.Misconi, R.L.Newburn, J.A.O'Keefe, E.J.Opik, V.Padevet, Z.Plavcova, G.Polnitzky, V.Porubcan, J.Rajchl, D.O.Revelle, H.W.Ripken, R.G.Roosen, J.A.Russell, Z.Sekanina, C.Y.Shao, M.Simek, A.N.Simonenko, R.K.Soberman, R.B.Southworth, J.Stohl, E.P.Tedesco, A.K.Terenteva, F.F.Verniani, J.L.Weinberg, G.W.Wetherill, I.P.Williams, F.L.Whipple, J.A.Wood, D.K.Yeomans, A.A.Yavnel'.

COMMISSION NO 24.

ASTROMETRIE PHOTOGRAPHIQUE (PHOTOGRAPHIC ASTROMETRY)

PRESIDENT: W.Gliese

VICE-PRESIDENT: A.Upgren

COMITE D'ORGANISATION: T.E.Corbin, H.K.Eichhorn, G.Gatewood, I.I.Kanaev, T.E.Lutz, J.D.Stock, W.F.Van Altena,

MEMBRES: K.D.Abhyankar, N.Argue, G.F.Benedict, A.Blaauw, R.Bouigue, R.Branham, P.Brosche, Liang-Tia G.Chiu, J.W.Christy, J.Churms, S.V.M.Clube, P.Connes, M.Creze, K.Cudworth, C.C.Dahn, J.Delhay, A.N.Deutsch, Ch.De Vejt, W.Dieckvoss, J.Dommanget, B.Elsmore, F.W.Fallon, J.Fanselow, N.V.Fatchikhin, F.Firneis, M.G.Firneis, M.G.Fracastoro, O.G.Franz, L.W.Fredrick, A.Fresneau, L.Gallouet, I.V.Gavrilov, H.L.Giclas, A.N.Goyal, R.B.Hanson, R.S.Harrington, W.D.Heintz, P.D.Hemenway,

J.L.Hershey, J.-L.Heudier, G.Hill, E.D.Hoffleit, J.Hughes, P.A.Ianna, H.Jahreiss, W.H.Jefferys, K.Johnston, B.F.Jones, D.H.P.Jones, A.R.Klemola, B.L.Klock, I.G.Kolchinskij, P.Lacroute, K.K.Lapushka, A.A.Latypov, V.V.Lavdovskij, R.S.Le poole, S.L.Lippincott, A.M.Lozienskij, P.K.Lu, W.J.Luyten, V.S.Matiagin, H.A.Mcalister, M.O.Menessier, J.Meurers, C.A.Murray, W.Nicholson, J.K.O'Connell, T.Oja, A.B.Onegina, V.V.Podobed, D.D.Polozhentsev, H.I.Potter, F.V.Prochazka, L.Quijano, N.G.Rizvanov, W.H.Robertson, E.Roemer, J.L.Russell, W.L.Sanders, K.Sims, C.A.Smith, L.Stange, J.W.Stein, R.C.Stone, K.Aa.Strand, D.V.Thomas, C.Turon, A.Valbousquet, P.Van de Kamp, S.Vasilevskis, N.E.Wagman, H.G.Walter, L.Wan, L.H.Wasserman, A.J.Wesselink, G.Westerhout.

COMMISSION NO 25.

PHOTOMETRIE ET POLARIMETRIE STELLAIRE (STELLAR PHOTOMETRY AND POLARIMETRY)

PRESIDENT: J.Tindbergen

VICE-PRESIDENT: F.G.Rufener

COMITE D'ORGANISATION: M.S.Bessell, P.F.Chugajnov, J.Dachs, P.Edwards, I.S.Glass, J.A.Graham, B.Hauck, D.Kilkenny, A.U.Landolt, I.S.McLean, V.Pirola, N.M.Shakhovskoj.

MEMBRES: H.D.Ables, S.Adelman, R.Albrecht, A.N.Argue, J.D.R.Bahng, L.Baldinelli, W.Becker, A.Behr, J.H.Bigay, B.M.Blanco, B.J.Bok, B.Bookmyer, J.Borgman, M.Breger, H.A.Bruck, B.W.Carney, G.Chis, A.W.J.Cousins, G.V.Coyne, D.L.Crawford, C.C.Dahn, M.K.Das, J.K.Denoyelle, H.T.Eelsalu, A.Feinstein, J.D.Fernie, W.S.Fitch, J.C.Forte, L.Gallouet, T.Gehrels, R.D.Gehrz, M.Golay, G.Goy, A.D.Grauer, M.Grenon, A.Gutierrez-Moreno, D.S.Hall, R.H.Hardie, D.Hayes, A.Heck, H.Hensberge, P.W.Hill, R.Hilditch, W.A.Hiltner, E.B.Holmberg, A.R.Hyland, J.B.Irwin, M.Jerzykiewicz, S.C.Joshi, G.E.Kron, W.Kunkel, Z.Kviz, P.G.Laskarides, B.M.Lasker, R.Lenzen, G.W.Lockwood, H.G.Marraco, T.Markkanen, A.Masani, P.Mayer, M.F.McCarthy, E.E.Mendoza, J.Menzies, P.Mianes, E.Milone, R.I.Mitchell, T.Moffett, H.Moreno, S.C.Morris, A.B.Muller, G.S.Mumford, V.B.Nikonov, P.Notni, K.Osawa, V.S.Oskanyan, J.W.Pel, A.Penny, C.L.Perry, R.J.Pfeiffer, A.G.D.Philip, E.L.Robinson, C.Roslund, E.Rybka, A.E.Rydgren, M.B.K.Sarma, E.G.Schmidt, H.Schmidt, W.Schoneich, S.J.Shaw, M.J.Smyth, U.W.Steinlin, J.Stock, H.S.Stockman, R.P.S.Stone, V.L.Straiuzys, W.Strohmeier, D.J.Sullivan, P.Szkody, J.A.Thomas, I.Todoran, C.R.Tolbert, H.Trodahl, B.Ulrich, V.Ureche, R.A.Vardanian, A.G.Velghe, F.J.Vrba, A.A.E.Wallenquist, Th.Walraven, W.H.Warren Jr., D.Weistrop, A.Wesselink, N.M.White, R.V.Willstrop, W.Wisniewski, S.S.O.Wrandemark, Y.Yamashita, A.T.Young.

COMMISSION NO 26.

ETOILES DOUBLES ET MULTIPLES (DOUBLE AND MULTIPLE STARS)

PRESIDENT: M.Fracastoro

VICE-PRESIDENT: K.D.Rakos

COMITE D'ORGANISATION: O.G.Franz, J.Dommaget, W.D.Heintz, H.A.Mcalister, A.Poveda, C.D.Scarfe.

MEMBRES: H.A.Abt, C.Allen, S.Arend, P.Baize, A.H.Batten, E.Cabrita, B.Cester, P.Couteau, R.B.Culver, A.N.Dadaev, A.N.Deutsch, D.W.Dunham, F.C.Fekel, O.E.Ferrer,

R.R.Freitas Mourao, G.Gatewood, E.H.Geyer, R.S.Harrington, J.L.Hershey, C.A.Hernandez, B.Hidajat, F.Holden, G.Ishida, A.A.Kiselev, P.G.Kulikovskij, M.I.Kumsiashvili, S.L.Lippincott, N.L.Magalashvili, C.Meyer, C.L.Morbey, P.Muller, R.Pannunzio, G.M.Popovic, J.L.Russell, G.N.Salukvadze, A.M.Shulberg, K.Aa.Strand, M.Tapia, A.Valbousquet, P.Van de Kamp, K.A.Van der Hucht, E.Van Dessel, R.L.Walker, E.W.Weiss, N.P.Wieth-Knudsen, R.H.Wilson, C.E.Worley.

COMMISSION NO 27.

ETOILES VARIABLES (VARIABLE STARS)

PRESIDENT: N.H.Baker

VICE-PRESIDENT: B.Szeidl

COMITE D'ORGANISATION: M.Breger, A.N.Cox, J.D.Fernie, R.E.Gershberg, M.Jerzykiewicz, L.N.Mavridis, L.N.Mirzoyan, J.R.Percy, A.M.Van Genderen, B.Warner.

MEMBRES: M.L.Aizenman, I.F.Alaniya, H.Ando, A.D.Andrews, E.Antonello, V.P.Arhipova, G.Asteriadis, A.Baglin, G.A.Bakos, T.G.Barnes, P.Bastien, F.M.Bateson, G.T.Bath, E.P.Belserene, G.Belvedere, Ch.Bertaud, G.Berthomieu, M.S.Bessell, D.R.Bochonko, C.T.Bolton, H.E.Bond, B.V.Bopp, J.Boulon, A.A.Boyarchuk, M.E.Boyarchuk, C.J.Butler, D.Butler, P.B.Byrne, R.M.Catchpole, E.Chavira, A.M.Cherepaschuk, G.Chis, R.F.Christy, P.F.Chugajnov, C.M.Coutts-Clement, B.C.Cogan, M.Cohen, M.E.Contadakis, M.De Groot, S.Demers, R.G.Deupree, R.J.Dickens, D.Dupuy, W.Dziembowski, P.J.Edwards, Yu.N.Efremov, A.N.Eskioğlu, A.Evans, D.S.Evans, N.R.Evans, M.W.Feast, W.A.Feibelman, G.J.Ferland, W.S.Fitch, M.Friedjung, M.S.Frolov, G.Gahm, J.S.Gallagher, S.Gaposchkin, S.C.B.Gascoigne, E.H.Geyer, D.M.Gibson, W.Gieren, Yu.V.Glagolevskij, G.Godoli, V.G.Gorbatsky, J.Graham, G.L.Grasdalen, J.Grygar, G.Guerrero, E.F.Guinan, H.Gursky, J.A.Hackwell, D.S.Hall, C.J.Hansen, G.Haro, A.Heiser, G.H.Herbig, R.B.Herr, J.Hers, J.E.Hesser, F.J.Heyden, H.A.Hill, P.W.Hill, E.D.Hoffleit, N.Houk, M.Huruhata, J.B.Hutchings, I.Iben, T.Jarzebowski, A.F.Jones, S.Kanyo, A.H.Karp, P.N.Kholopov, R.Kippenhahn, I.M.Kopylov, K.Kordylewski, R.P.Kraft, J.Krautter, J.M.Kreiner, W.Krzeminski, M.Kubiak, L.V.Kuhi, J.I.Kumsiashvili, W.E.Kunkel, D.W.Kurtz, K.K.Kwee, M.T.V.T.Lago, A.U.Landolt, P.G.Laskarides, P.Ledoux, P.Leite Scheid, K.C.Leung, G.W.Lockwood, M.C.Lortet-Zuckermann, L.S.Luud, B.F.Madore, P.Maffei, F.M.Mahmoud, E.N.Makarenko, G.Mannino, T.E.Margrave, W.L.Martin, A.Masani, J.A.Mattei, M.W.Mayall, D.H.McNamara, M.-O.Menessier, W.J.Miller, E.F.Milone, L.A.Milone, T.J.Moffett, N.Morguleff, N.D.Morrison, G.S.Mumford, P.G.Murdin, R.E.Nather, J.S.Neff, P.G.Niarchos, N.S.Nicolov, G.J.Odgers, A.Opolski, Y.Osaki, K.Osawa, V.Oskanyan, J.Papaloizou, M.Parthasarathy, L.Paterno, L.C.Peltier, J.O.Petersen, V.Pirola, S.L.Piotrowski, L.Plaut, M.Popova, J.E.Pringle, J.Provost, Yu.P.Pskovskij, K.D.Rakos, P.Renson, G.Richter, E.L.Robinson, A.W.Rodgers, M.Rodomo, G.Romano, Yu.S.Romanov, L.Rosino, J.Rountree, A.R.Sadik, N.N.Samus, W.H.Sandmann, A.Sanyal, J.P.Sareyan, M.B.K.Sarma, H.B.Sawyer Hogg, E.G.Schmidt, R.Schoembs, P.R.Schwartz, R.Scufraire, M.Shara, W.A.Sherwood, R.R.Shobbrook, S.D.Sinvhal, J.Smak, P.Smeyers, Harlan J. Smith, M.A.Smith, S.Starrfield, R.F.Stellingwerf, K.Stepien, C.L.Sterken, M.J.Stift, R.S.Stobie, W.Strohmeier, L.Szabados, P.Szkody, M.Takeuti, G.A.Tammann, P.Tempesti, A.Terzan, H.R.E.Tjin a Djie, C.A.Torres, J.Tremko, V.P.Tsevesevich, A.Tsioumis, A.V.Tutukov, R.Tylenda, P.D.Usher, J.C.Valtier, S.Van Agt, A.Van Hoof, R.Viotti, N.Vogt, A.A.Wachmann, E.N.Walker, M.F.Walker, G.Wallerstein, T.Walraven, R.F.Webbink, A.Wehlau, W.Wenzel, A.J.Wesselink, R.M.Williamon, L.A.Willson, L.A.Wilson, R.F.Wing, W.Wisniewski, P.R.Wood, F.W.Wright, D.-R.Xiong, B.Zuckerman.

COMMISSION NO 28.GALAXIES (GALAXIES)

PRESIDENT: V.C.Rubin

VICE-PRESIDENT: P.C.Van der Kruit

COMITE D'ORGANISATION: S.D'Odorico, J.E.Einasto, J.A.Graham, P.W.Hodge, I.D.Karachentsev, D.Lynden-Bell, A.Toomre, M.H.Ulrich, K.Wakamatsu, B.E.Westerlund.

MEMBRES: M.Aaronson, G.O.Abell, H.D.Ables, E.L.Agvero, H.Alfven, R.J.Allen, V.A.Ambartsumian, Y.Andrillat, M.A.Arakelian, A.L.Ardeberg, H.C.Arp, E.O.Athanassoula, M.Azzopardi, M.K.Babadzhanian, J.N.Bahcall, M.E.Bailey, C.Barbieri, R.Barbon, W.A.Baum, G.F.Benedict, N.Bergvall, R.H.Berman, F.Bertola, J.H.Bigay, J.J.Binney, C.P.Blackman, G.O.Boeshaar, B.J.Bok, A.Boksenberg, H.Bondi, F.Boerngen, T.M.Borchkhadze, A.Bosma, L.Bottinelli, A.Braccisi, K.Brecher, P.Brosche, M.T.Bruck, P.Bruston, E.M.Burbidge, G.R.Burbidge, J.O'N.Burns, D.Burnstein, G.G.Byrd, R.D.Cannon, M.Capaccioli, L.Carrasco, G.J.Carranza, R.R.Carswell, C.Casini, P.Chamaroux, G.L.Chincarini, K.K.Chuvaev, G.Contopoulos, H.G.Corwin, G.Courtes, A.C.Danks, A.F.Davidsen, R.D.Davies, J.De la Moe, G.De Vaucouleurs, E.K.Denisyuk, E.A.Dibay, A.S.Di Serego, G.Di Tullio, K.J.Donner, L.L.Dressel, P.Dubois, M.C.Edmunds, G.Efstathiou, R.D.Ekers, D.M.Elmgreen, A.M.Elvius, V.F.Esipov, D.S.Evans, A.P.Fairall, M.W.Feast, C.Fehrenbach, J.Feitzinger, G.B.Field, A.Florsch, C.Foltz, A.F.Fomenko, H.Ford, W.K.Ford, C.W.Fraser, K.C.Freeman, J.W.Fried, J.S.Gallagher, G.Galletta, S.C.B.Gascoigne, F.D.Ghigo, R.Giovanelli, K.Gopal, W.M.Goss, S.T.Gottesman, L.Gouguenheim, S.A.Grandi, G.L.Grasdalen, R.E.Griffiths, T.Hara, E.Hardy, R.J.Harms, G.Haro, O.Heckmann, D.S.Heeschen, J.Heidmann, P.Hickson, P.M.N.Hintzen, E.B.Holmberg, F.Hoyle, J.P.Huchra, R.W.Hunstead, J.H.Hunter Jr., G.D.Illingworth, I.A.Issa, H.M.Johnson, Th.W.Jones, J.Jugaku, M.Kafatos, M.Kalinkov, A.T.Kalloglian, M.Kaufman, K.I.Kellerman, R.C.Kennicutt, E.Y.Khachikian, T.Kiang, I.R.King, T.D.Kinman, R.P.Kirshner, K.Kodaira, G.Kojoian, I.M.Kopylov, J.Kormendy, Yu.P.Korovyakovskij, R.G.Kron, N.A.Krumm, C.K.Kumar, M.R.Kundu, P.Kustaanheimo, J.P.J.Lafon, R.B.Larson, B.M.Lasker, A.Lauberts, A.Lausberg, D.Layzer, R.J.Leacock, G.Lelievre, J.Lequeux, J.Li, Q.-B.Li, C.C.Lin, P.O.Lindblad, K.Y.Lo, R.V.E.Lovelace, F.J.Low, B.T.Lynds, R.C.Lynds, V.M.Lyuty, H.T.Macgillivray, C.D.Mackay, B.F.Madore, P.Magnenat, M.L.Malagnini, J.W.-K.Mark, B.E.Markarian, L.Martinet, J.Materne, E.Maurice, N.U.Mayall, B.P.McBreen, R.D.McClure, W.H.McCrea, B.Q.McGimsey Jr., G.C.McVittie, T.K.Menon, H.R.Miller, J.S.Miller, R.H.Miller, B.Y.Mills, I.F.Mirabel, C.L.Morbey, W.W.Morgan, C.Moss, J.R.Mould, H.S.Murdoch, S.S.Murray, J.V.Narlikar, G.Neugebauer, T.W.Noonan, A.Oemler jr., S.Okamura, J.B.Oke, H.Oleak, G.C.Omer, J.H.Oort, A.M.Osman, D.E.Osterbrock, F.N.Owen, J.Pachner, A.G.Pacholczyk, T.L.Page, M.Peimbert, W.D.Pence, W.L.Peters, B.M.Peterson, Ch.J.Peterson, M.Petrou, P.Pismis de Recillas, V.S.Popov, A.Poveda, T.P.Prabhu, K.H.Prendergast, W.H.Press, M.L.Prevot-Burnichon, CH.J.Pritchett, I.I.Pronik, V.I.Pronik, H.Quintana, G.Reaves, V.C.Reddish, M.Reinhardt, H.B.Richer, L.J.Rickard, W.Rindler, M.S.Roberts, W.W.Roberts, J.G.Robertson, I.Robinson, H.J.Rood, J.A.Rose, H.J.Roeser, L.Rosino, A.Rots, K.Rudnicki, R.Sancisi, R.H.Sanders, C.L.Sarazin, W.L.W.Sargent, W.C.Saslaw, S.K.Sastry, M.Schmidt, E.L.Schucking, G.V.Schultz, H.Schulz, H.F.Schuster, U.J.Schwarz, F.Schweizer, D.W.Sciama, E.L.Scott, L.Searle, I.E.Segal, A.Serrano, J.L.Sersic, G.Setti, R.K.Shahbazian, J.R.Shakeshaft, C.D.Shane, P.A.Shaver, B.S.P.Shen, W.A.Sherwood, G.A.Shields, G.S.Shostak, B.F.Smith, H.C.Smith, H.E.Smith Jr., M.G.Smith, Y.Sobouti, A.M.Soltan, H.Spinrad, W.A.Stein, D.W.N.Stibbs, R.P.S.Stone, R.G.Strom, J.W.Sulenti, K.Takarada, B.Takase, R.J.Talbot, G.A.Tammann, V.YU.Terebizh, R.J.Terlevich, Y.Terzian, L.A.Thompson, N.Thonnard, T.X.Thuan, W.G.Tifft, H.M.Tovmassian, H.J.Treder, R.R.Tully, E.L.Turner, J.A.Tyson, M.Urbanik, T.S.Van Albada, S.Van der Bergh, J.M.Van der Hulst, H.Van der Laan, H.Van Woerden, R.K.Varma, M.P.Veron, N.Nisvanathan, B.A.Vorontsov-Velyaminov, M.J.Ward, J.W.Warner, D.W.Weedman, P.A.Weinger, G.A.Welch, A.E.Whitford, R.Wielen, J.P.Wiita, P.Wild, A.Wilkinson, R.F.Williams, TH.B.Williams, B.J.Wills, A.G.Wilson, K.H.Winkler, G.Wlerick, R.Wood, J.D.Wray, C.G.Wynn-Williams, J.S.Young, A.V.Zasov, Ya.B.Zel'dovich, R.J.Zinn.

COMMISSION NO 29.SPECTRES STELLAIRES (STELLAR SPECTRA)PRESIDENT: J. Jugaku

VICE-PRESIDENT: G. Cayrel-de-Strobel

COMITE D'ORGANISATION: Y. Andrillat, W.K. Bonsack, P.S. Conti, C.R. Cowley, C.O.R. Jaschek, O.H. Levato, M.A. Smith, R. Viotti, S.C. Wolff.

MEMBRES: K.D. Abhyankar, H.A. Abt, S.J. Adelman, G.C.L. Aikman, L.H. Aller, H. Andrillat, A.S. Asaad, I.A. Aslanov, G.B. Baratta, D.C. Barry, J. Berger, CH. Bertaud, M.S. Bessel, W.P. Bidelman, A.M. Boesgaard, A. Boggess, R. Bouigue, J. Boulon, A.A. Boyarchuk, E.S. Brandi, F.C. Bruhweiler, W. Buscombe, S. Catalano, A. Cassatella, F. Castelli, R. Cayrel, J.L. Climenhaga, A.D. Code, A.P. Cowley, M. De Groot, L. Divan, V. Doazan, P.P. Dobronravin, M.V. Dolidze, D. Dravins, T. Dunham Jr., M.M. Dworetsky, F.N. Edmonds Jr., D.S. Evans, R. Faraggiana, M.W. Feast, M.J. Fernandez-Figueroa, R. Freire, M. Friedjung, A.M. Fringant, Y. Fujita, R.F. Garrison, T. Gehren, R.E. Gershberg, D.P. Gilra, Ju.V. Glagolevskij, I.N. Glushneva, J. Goebel, L. Goldberg, V.G. Gorbatskij, L. Gratton, D.F. Gray, J.L. Greenstein, R.E.M. Griffin, R.F. Griffin, H.G. Groth, B.N.G. Guthrie, M. Hack, W.A. Hagen, P. Harmanec, D.L. Harmer, G. Haro, J.R.W. Heintze, K.G. Henlze, G.H. Herbig, R. Herman, L. Houziaux, A.R. Hyland, M. Jaschek, H.R. Johnson, P.C. Keenan, A.V. Kharitonov, V. Khokhlova, R.B. King, T.A. Kipper, K. Kodaira, T. Kogure, N.S. Komarov, I.M. Kopylov, P. Koubsky, R.J. Kovachev, R.P. Kraft, J. Krempec-Krygier, R.N. Kumajgorodskaya, D. Labs, D.L. Lambert, G. Larsson-Leander, D.S. Leckrone, J.B. Lester, D.D. Locanthe, L.S. Luud, H.M. Maitzen, S. Malaroda, D.H. McNamara, C. Megessier, O.A. Mel'nikov, J.E. Milligan, A.F.J. Moffat, H.W. Moos, N. Morguleff, Morrison, D.C. Morton, E.R. Mustel, R.W. Nicholls, A.A. Nikitin, S. Nishimura, L. Oetken, J.B. Oke, M.Y. Orlov, K. Osawa, B.E.J. Pagel, S.B. Parsons, L.E. Pasinetti, F. Paterson-Beeckmans, D.W. Peat, A. Pedoussaut, B.F. Peery, G.J. Peters, M.N. Perrin, R.C. Peterson, C.A. Pilachowski, M. Plavec, R.H. Poeckert, G.W. Preston, A. Przybylski, F. Querci, M. Rego Fernandez, D. Reimers, A.E. Ringuelet, A.W. Rodgers, K. Sadakane, J. Sahade, R.E. Schild, G. Scholz, W. Seggewiss, D.E. Shchegolev, S.N. Shore, U. Sinnerstad, A. Slettebak, J. Smak, J. Smolinski, Th. Snow, F. Spite, M. Spite, R. Stalio, A. Stawikowski, T.P. Stecher, R.E. Stencel, S.N. Svolopoulos, J.W. Swensson, J.-P. Swings, P. Swings, S. Taffara, M. Takada, J. Tech, G.I. Thompson, T. Tsuji, I. Tuominen, A.B. Underhill, K. Utsumi, K.A. Van der Hucht, C. Van't Veer, O. Vilhu, H.H. Voigt, S.S. Vogt, J.M. Vreux, G.N. Wallerstein, M.D. Waterworth, G.A. Wegner, P. Wehinger, W.H. Wehlau, W.W. Weiss, P. Wellmann, S. Weniger, P.M. Williams, O.C. Wilson, R. Wilson, R.F. Wing, B. Wolf, H.J. Wood, K.O. Wright, S. Wyckoff, A.A. Wyller, Y. Yamashita.

COMMISSION NO 30.VITESSES RADIALES (RADIAL VELOCITIES)

PRESIDENT: A.G. Davis Philip

VICE-PRESIDENT: J. Andersen

COMITE D'ORGANISATION: M. Duflot, D.P. Hube, F. Maurice, M. Mayor, J. Sahade.

MEMBRES: H.A. Abt, M. Azzopardi, L.A. Balona, M. Barbier-Brossat, A.H. Batten, W.R. Beardsley, W.I. Beavers, F.C. Bertiau, C.T. Polton, R. Bouigue, J. Boulon, D. Crampton, J.K. de Jonge, G. De Vaucouleurs, F.K. Edmondson, H.T. Eelsalu, C. Fehrenbach, J.M. Fletcher, A. Florsch, Y. Georgelin, F. Giesecking, R.F. Griffin, J.R.W. Heintze,

G.Hill, C.C.Huang, M.Imbert, I.D.Karachentsev, R.P.Kraft, D.W.Latham, N.Martin, C.L.Morbey, B.Nordstrom, L.Oetken, A.Pedoussaut, C.L.Perry, G.W.Preston, L.Prevot, E.Rebeiro, V.C.Rubin, N.B.Sanwal, C.D.Scarfe, K.Serkowski, J.Stock, E.Van Dessel, R.V.Willstrop.

COMMISSION NO 31.

L'HEURE (TIME)

PRESIDENT: G.Hemmler

VICE-PRESIDENT: D.D.McCarthy

COMITE D'ORGANISATION: N.S.Blinov, C.C.Costain, H.F.Fliegell, B.Guinot, S.Iijima, Y.-R.Miao, A.Orte, P.Paquet, J.Pilkington, E.Proverbio.

MEMBRES: M.K.Abele, P.M.Afanasjeva, D.W.Allan, S.Aoki, D.J.Belotserkovski, J.Benavente, P.L.Bender, G.Billaud, J.Bonanomi, G.Caprioli, J.M.Chamberlain, I.Dominski, K.Dorenwendt, C.Dramba, H.Enslin, M.-K.Fujimoto, J.Gaignebet, T.Gokmen, H.-R.Gong, R.G.Hall, H.Hellwig, J.Hers, C.Kakuta, W.J.Klepczynski, T.Lederle, J.H.Lieske, A.M.Loizinski, W.Markowitz, D.N.Matsakis, W.G.Melbourne, P.Melchior, A.A.Mikhailov, P.Morgan, I.I.Mueller, V.A.Naumov, F.Noel, W.Opalski, P.Parcelier, N.N.Pavlov, S.B.Pushkin, L.Randic, D.S.Robertson, W.Schuler, V.P.Scheglov, A.M.Sinzi, H.M.Smith, D.E.Smylie, G.Stanila, G.V.Starytsin, J.M.Steele, A.Stoyko, S.Takagi, M.Tsao, A.Tsuchiya, R.O.Vicente, H.B.Wackernagel, L.Webrova, N.P.Wieth-knudsen, G.A.Wilkins, G.M.R.Winkler, S.-X.Wu, S.-H.Ye, S.Yumi.

COMMISSION NO 33.

STRUCTURE ET DYNAMIQUE DU SYSTEME GALACTIQUE

(STRUCTURE AND DYNAMICS OF THE GALACTIC SYSTEM)

PRESIDENT: R.Wielen

VICE-PRESIDENT: W.B.Burton

COMITE D'ORGANISATION: L.Blitz, W.Iwanowska, E.K.Kharadze, G.G.Kuzmin, D.Lynden-Bell, G.Lynga, M.Mayor, M.Miyamoto.

MEMBRES: S.Aarseth, T.A.Agekjan, W.J.Altenhoff, V.A.Ambartsumian, P.Andrle, V.A.Antonov, S.Aoki, A.L.Ardeberg, G.Asteriadis, E.Athanassoula, L.Balazs, J.E.Baldwin, B.Barbanis, N.F.Bash, B.Baud, W.Becker, E.M.Berkhuijsen, J.H.Bigay, J.J.Binney, A.Blaauw, V.M.Blanco, B.J.Bok, J.Boulon, B.F.Burke, H.V.Cane, L.Carrasco, J.Y.Caswell, E.B.Churchwell, S.V.M.Clube, N.F.Comins, G.Contopoulos, G.Courtes, D.Crampton, D.L.Crawford, M.Creze, K.M.Cudworth, S.Cuperman, R.D.Davies, T.De Jong, J.Delhay, J.K.Denoyelle, H.R.Dickel, J.R.Dickel, N.H.Dieter, D.Downes, J.S.Drilling, R.M.Dzighvashvili, F.K.Edmondson, Y.N.Efremov, J.Einasto, B.G.Elmeegreen, H.Elsasser, T.Elvius, E.Evangelidis, S.M.Faber, M.W.Feast, Ch.Fehrenbach, J.V.Feitzinger, R.P.Fenkart, M.P.Fitzgerald, K.C.Freeman, W.Fricke, M.Fujimoto, I.L.Genkin, Y.M.Georgelin, Y.P.Georgelin, G.F.Gilmore, W.Gliese, P.Goldreich, M.A.Gordon, E.J.Grayzeck, K.Gyldenkerne, H.J.Habing, K.Hamajima, U.Haug, A.Hayli, O.Heckmann, C.E.Heiles, M.Henon, W.Herbst, R.W.Hobbs, F.Hohl, G.Hori, V.A.Hughes, A.N.M.Hulsbosch, R.M.Humphreys, C.Hunter, S.Ikeuchi, S.Inagaki, K.A.Innanen,



J.B.Irwin, S.Isobe, C.Iwaniszewska-Lubienska, M.Iye, P.D.Jackson, H.Jahreiss, C.O.R.Jaschek, H.M.Johnson, D.H.P.Jones, M.Kaburaki, N.B.Kalandadze, A.J.Kalnajs, S.Kato, F.J.Kerr, P.N.Kholopov, I.R.King, T.D.Kinman, G.Klare, G.R.Knapp, L.N.Kolesnik, J.Kormendy, R.Kulsrud, R.Kurth, S.A.Kutuzov, J.P.Lafon, R.B.Larson, M.Lecar, J.Li, C.C.Lin, P.O.Lindblad, K.Loden, L.O.Loden, M.Lunel, W.J.Luyten, D.J.MacConnell, D.A.MacRae, K.G.Malmquist, R.N.Manchester, J.W.K.Mark, L.Marochnik, L.Martinet, D.S.Mathewson, L.N.Mavridis, M.F.McCarthy, M.O.Menessier, P.G.Mezger, R.H.Miller, I.F.Mirabel, L.N.Mirzoyan, A.F.J.Moffat, G.Monnet, W.W.Morgan, M.R.Morris, G.Munch, C.A.Murray, J.C.Muzzio, F.Nahon, Th.Neckel, A.H.Nelson, H.Niimi, K.F.Ogorodnikov, T.Oja, H.Okuda, A.Ollongren, J.H.Cort, J.P.Ostriker, M.W.Ovenden, P.E.Palmer, Th.Papayannopoulos, T.A.Pauls, E.D.Pavlovskaya, M.Peimbert, L.Perek, C.L.Perry, P.Pesch, A.G.Davis Philip, K.Pilowski, P.Pismis, L.Plaut, R.M.Price, W.Priester, J.M.Ramberg, K.W.Riegel, M.S.Roberts, W.W.Roberts, B.J.Robinson, K.Rohlf, N.G.Roman, V.C.Rubin, M.T.Ruiz, G.B.Rybicki, E.Saar, Aa.Sandqvist, N.Sanduleak, H.Schmidt, K.H.Schmidt, M.Schmidt, Th.Schmidt-Kaler, H.M.Schwerdtfeger, W.Seggewiss, J.A.Sellwood, W.W.Shane, A.S.Sharov, D.Sher, T.Shimizu, F.Shu, W.L.H.Shuter, S.C.Simonson, A.Slettebak, P.M.Solomon, E.A.Spiegel, F.W.Stecker, A.E.Stefanovitch-Gomez, U.W.Steinlin, C.B.Stephenson, D.W.N.Stibbs, A.Stroebel, C.Sturch, S.N.Svolopoulos, V.Szebehely, G.A.Tammann, CH.Terzides, Pik Sin The, K.O.Thielheim, W.Tobin, A.Tbomre, M.Tosa, C.F.Trefzger, A.Tsioumis, P.Turon-Lacarrieu, A.R.Uggren, P.C.Van der Kruit, A.Van Hoff, H.Van Woerden, H.L.Vanderlinden, P.O.Vandervoort, C.M.Varsavksy, A.G.Velghe, V.R.Venugopal, G.L.Verschuur, M.Vetesnik, V.I.Voroshilov, P.A.Wayman, H.F.Weaver, D.Weistrop, G.Westerhout, B.E.Westerlund, R.E.White, J.B.Whiteoak, D.C.B.Whittet, R.Wielebinski, Th.L.Wilson, L.Woltjer, P.R.Woodward, Sir Richard Woolley, S.S.O.Wramdemark, Y.Yoshii, C.Yuan.

COMMISSION NO 34.

MATIERE INTERSTELLAIRE (INTERSTELLAR MATTER)

PRESIDENT: M.Peimbert

VICE-PRESIDENT: J.Lequeux

COMITE D'ORGANISATION: S.D'Odorico, B.G.Elmegreen, E.B.Kostyakova, U.Mebold, J.S.Mathis, V.Radhakrishnan, P.A.Shaver, Y.Terzian, P.Wannier.

MEMBRES: P.Aanestad, A.Acker, D.K.Aitken, K.Akabane, L.H.Aller, W.Altenhoff, B.H.Andrew, C.D.Andriesse, H.Andrillat, Y.Andrillat, V.P.Arhipova, T.T.Arny, L.Avery, W.I.Axford, J.W.M.Baars, J.E.Baldwin, T.M.Bania, M.Barlow, A.H.Barrett, A.Barnes, F.N.Bash, A.Baudry, E.Becklin, J.Beckman, S.V.W.Beckwith, N.Bel, J.Bergeron, E.M.Berkhuijsen, A.Bernat, J.Bieging, L.Biermann, K.Birkle, J.Black, J.Blades, G.Blair, R.C.Bless, N.G.Bochkarev, G.Boeshaar, A.Boggess, R.C.Bohlin, B.J.Bok, J.Borgman, P.W.J.L.Brand, E.Braunsfurth, G.Bromage, R.Brown, M.T.Bruck, F.C.Bruhweiler, A.Bunner, A.Burgess, B.F.Burke, W.B.Burton, N.V.Bystrova, E.R.Capriotti, R.G.Carruthers, J.L.Caswell, C.Cesarsky, D.Cesarsky, R.Chevalier, M.Chopinnet, E.B.Churchwell, F.Clark, A.D.Code, M.Cohen, S.Collin-Souffrin, R.Costero, G.Courtes, L.Cowie, D.P.Cox, G.V.Coyne, J.Crovisier, P.Cruvellier, D.D.Cudaback, P.Cugnon, S.J.Czyzak, C.Dahn, A.Dalgarno, A.C.Danks, R.D.Davies, K.S.De Boer, P.Deen Singh, S.Deguchi, T.de Jong, J.De la Noe, E.A.Dibaj, H.R.Dickel, M.J.Disney, O.D.Dokutchavaeva, M.A.Dopita, J.Dorschner, D.Downes, S.Drapatz, T.Dunham, A.Dupree, R.J.Dufour, E.Dwek, J.E.Dyson, K.Elliott, M.Elitzur, A.M.Elvius, J.Emerson, P.Encrenaz, V.F.Esipov, N.J.Evans II, S.Falk, S.A.E.G.Falle, D.J.Faulkner, W.Feibelman, S.R.Federman, M.Felli, J.E.Felten, D.Field, G.B.Field, B.Flannery, D.Flower, H.Ford, J.R.Forster, C.Friedemann, I.Furniss, P.Frisch, F.F.Gardner,

J.E.Gaustad, J.Gay, T.Gehrels, Y.Georgelin, E.Gerard, H.Gerola, D.Gezari, D.P.Gilra, R.Giovannelli, P.D.Godfrey, J.Goebel, P.Goldreich, D.W.Goldsmith, P.Goldsmith, S.J.Goldstein, F.A.Goldsworthy, C.P.Gordon, M.A.Gordon, I.V.Gosachinsky, W.M.Goss, G.Grasdalen, J.M.Greenberg, M.Grewing, M.Guelin, T.R.Gull, G.A.Gurzadjan, H.J.Habing, J.Hackwell, J.S.Hall, S.Harris, E.G.Hardebeck, J.Harrington, R.H.Harten, T.W.Hartquist, P.Harvey, R.Haynes, H.Hefele, C.E.Heiles, H.L.Helfer, K.G.Henize, G.H.Herbig, G.Herzberg, B.Hidajat, L.A.Higgs, W.A.Hiltner, R.H.Hildebrand, H.H.Hippelein, A.Hjalmarson, R.M.Hjellming, L.M.Hobbs, B.Hoglund, D.Hollenbach, J.Hollis, S.S.Hong, L.Houziaux, C.T.Hua, V.A.Hughes, A.N.M.Hulsbosch, D.Hummer, J.B.Hutchings, W.M.Irvine, S.Isobe, I.A.Issa, H.Itoh, P.Jackson, E.B.Jenkins, R.E.Jennings, F.M.Johnson, H.M.Johnson, K.J.Johnston, F.Jones, M.Jura, M.Kafatos, M.A.Kaftan-Kassin, F.D.Kahn, N.Kaifu, J.B.Kaler, F.Kamijo, I.Kazes, W.H.Kegel, F.J.Kerr, E.K.Kharadze, G.S.Khromov, H.Kimura, R.C.Kirkpatrick, R.Kirshner, R.Knack, G.R.Knapp, J.Knude, L.Kohoutek, I.G.Kolesnik, M.M.Komesaroff, J.Koornneef, Y.Kondon, J.Koppen, K.S.Krishna Swamy, C.Kumar, M.R.Kundu, M.Kutner, N.D.Kylafis, K.B.Kwitter, S.Kwok, C.Lada, H.Lambrecht, W.Langer, B.M.Lasker, C.Laurent, A.M.Le Squeren, T.J.Lee, C.M.Leung, W.Liller, C.C.Lin, R.Linke, H.S.Liszt, K.Y.Lo, L.O.Loden, R.Loren, M.C.Lortet-Zuckerman, F.Lovas, F.J.Low, T.A.Loanskaya, R.Lucas, B.L.Lutz, B.T.Lynds, T.Maihara, D.C.V.Mallik, R.N.Manchester, J.Manfroid, R.Martin, W.G.Mathews, D.S.Mathewson, J.S.Mathis, K.Mattila, R.A.McCray, W.H.McCrea, R.X.McGee, C.McKee, C.McKeith, J.McLeod, D.McNally, J.Meaburn, R.R.Meier, R.Mendez, T.K.Menon, P.Meszáros, P.G.Mezger, A.Michalitsianos, K.W.Michel, T.Millar, J.S.Miller, D.K.Milne, Y.Minn, D.H.Morgan, M.Morimoto, M.Morris, D.C.Morton, T.P.Mouschovias, S.Mufson, G.Munch, P.Myers, Y.Nakada, K.Nandy, G.Neugebauer, H.Nussbaumer, J.Nittman, C.R.O'Dell, H.Ohtani, H.Okuda, J.H.Oort, T.Osaki, J.Osborne, D.E.Osterbrock, L.M.Ozernoy, P.E.Palmer, N.Panagia, V.Pankonin, E.N.Parker, T.Pauls, J.-C.Pecker, M.V.Penston, A.Penzias, M.Perinotto, W.Peters, V.Petrosian, A.P.Phillips, T.Phillips, P.Pismis, W.Poepel, S.R.Pottasch, R.M.Price, I.I.Pronik, YU.P.Pskovskij, E.Raimond, J.C.Raymond, R.J.Reynolds, L.J.Rickard, G.Righini-Cohen, R.R.Robbins, W.W.Roberts, B.J.Robinson, A.E.E.Rodgers, L.F.Rodriguez, R.Roger, K.Rohlf, W.K.Rose, L.Rosino, I.Roxburgh, D.A.Rozhkovskij, R.H.Rubin, V.C.Rubin, Y.Sabano, F.Sabbadin, E.E.Salpeter, R.Sancisi, A.Sandqvist, C.Sarazin, F.Sato, S.Sato, B.Savage, M.P.Savedoff, J.Scalo, C.Schalen, E.Schatzman, F.Scherb, P.A.G.Scheuer, J.Schmid-Burgk, Th.Schmidt, Th.Schmidt-Kaler, G.V.Schultz, P.Schwartz, U.J.Schwarz, R.D.Schwartz, E.H.Scott, M.J.Seaton, M.Seki, G.A.Shah, W.W.Shane, C.Y.Shao, M.M.Shapiro, S.L.Sharpless, S.J.Shawl, P.V.Scheglov, W.Sherwood, G.Shields, I.S.Shklovskij, F.Shu, J.M.Shull, B.M.Shustov, W.L.Shuter, R.Silberberg, J.Silk, S.Simons, J.P.Sivan, J.Skilling, B.W.Smith, P.Smith, R.L.Snell, T.P.Snow, V.V.Sobolev, S.Sofia, P.M.Solomon, S.Tarafdar, K.N.Taylor, G.Tenorio-Tagle, P.Thaddeus, P.S.The, A.R.Thompson, N.Thonnard, H.A.Thronson, S.Torres-Peimbert, C.H.Townes, R.R.Treffers, B.E.Turner, K.C.Turner, M.H.Ulrich, W.Uhno, H.C.Van de Hulst, P.Van den Bout, H.Van der Laan, H.Van Woerden, V.Vanysek, D.A.Varshalovich, G.L.Verschuur, J.L.Vidal, A.Vidal-Madjar, M.Viner, N.Visvanathan, B.A.Vorontsov-Vel'jaminov, F.Vrba, G.A.H.Walker, G.D.Watt, H.F.Weaver, B.L.Webster, K.W.Weiler, J.C.Weisheit, H.J.Wendker, P.R.Wesselius, G.Westerhout, R.J.Weymann, G.J.White, P.A.Whitehead, J.B.Whiteoak, D.Whittet, A.P.Whitworth, N.C.Wickramasinghe, D.Williams, D.A.Williams, I.P.Williams, R.E.Williams, A.Willis, S.Willner, R.W.Wilson, A.Winnberg, A.N.Witt, R.D.Wolstencroft, L.Woltjer, P.Woodward, N.J.Woolf, H.A.Wooten, E.Wright, C.C.Wu, G.Wynn-Williams, J.Xing, S.Yabushita, D.G.York, H.Yorke, W.Zealey, M.Zeilik, H.Zimmerman, B.Zuckerman.

COMMISSION NO 35.

CONSTITUTION DES ETOILES (STELLAR CONSTITUTION)

PRESIDENT: A.N.Cox

VICE-PRESIDENT: D. Sugimoto

COMITE D'ORGANISATION: P. Bodenheimer, C. Chiosi, D. J. Faulkner, A. Maeder, J.-L. Tassoul, R. J. Tayler, A. Tutukov, V. Weidemann, J. P. Zahn.

MEMBRES: M. Aizenman, S. P. S. Anand, I. Appenzeller, K. Arai, N. Arimoto, W. D. Arnett, J. Audouze, A. Baglin, G. Baym, G. Beaudet, G. Berthomieu, L. Biermann, G. S. Bisnovatyi-Kogan, S. A. Bludman, K. H. Boehm, H. Bondi, A. Boury, R. R. Brownlee, G. R. Burbidge, A. G. W. Cameron, T. R. Carson, V. Castellani, J. I. Castor, G. R. Caughlan, S. Chandrasekhar, C. Chevalier, H. Y. Chiu, J. Christensen-Dalsgaard, R. F. Christy, J. M. Cohen, J. J. Cowan, T. G. Cowling, J. P. Cox, F. D'Antona, C. G. Davis, D. S. P. Dearborn, J.-P. De Greve, W. Deinzer, P. R. Demarque, K. H. Despain, R. G. Deupree, P. S. A. Dings, O. B. Duzhnevskaya, R. H. Durisen, W. A. Dziembowski, A. C. Edwards, T. W. Edwards, P. P. Eggleton, T. A. Eminzade, A. S. Endal, I. Epstein, E. V. Ergma, Y. Eriguchi, D. Ezer, J. Faulkner, B. P. Flannery, G. Fontaine, J. E. Forbes, E. Fossat, W. A. Fowler, Yu. L. Frantsman, K. J. Fricke, M. Fujimoto, M. Gabriel, B. S. Geroyannis, P. Giannone, R. A. Gingold, S.-M. Gong, M. Goossens, D. O. Gough, E. Graham, T. Hamada, C. Hayashi, P. M. Heilesen, E. R. H. Hilf, J. Hitotsuyangai, R. Hoshi, F. Hoyle, R.-G. Huang, I. Iben, V. S. Imshennik, G. R. Isaak, T. Ishizuka, N. Itoh, R. A. James, H. Kaehler, M. Kiguchi, D. S. King, R. Kippenhahn, R. K. Kochar, L. N. Kolesnik, D. Koester, D. S. Kothari, A. Kovetz, M. Kozlowski, M. Krook, S. S. Kumar, R. Kushwaha, D. Q. Lamb Jr., S. A. Lamb, R. B. Larson, P. G. Laskarides, J. Latour, N. R. Lebovitz, P. Ledoux, J. R. D. Lepine, H. Li, J. E. Littleton, W. J. Maciel, W. H. Mccrea, G. Marx, A. Masani, A. G. Masevich, T. J. Mazurek, I. Mazzitelli, Yu.-K. Melik-Alaverdian, L. Mestel, E. Meyer-Hofmeister, G. Michaud, R. Mitalas, S. Miyaji, J. J. Monaghan, D. R. Moore, S. C. Morris, J. A. Morgan, D. L. Moss, C. Moellenhoff, D. K. Nadyozhin, T. Nakano, T. Nakamura, K. Nakazawa, K. Nariai, S. Narita, M. J. Newman, M. Nishida, K. Nomoto, A. P. Odell, N. Ohya, I. Okamoto, Y. Osaki, J. P. Ostriker, B. Paczynski, A. A. Panjath'ikh, G. C. Pande, J. C. B. Papaloiou, D. Pines, A. D. Pinotsis, M. Plavec, M. D. Popova, V. V. Porfir'ev, A. Poveda, A. J. R. Prentice, J. Provost, Q.-Y. Qu, K.-H. Raedler, S. Ramadurai, H. Reeves, A. Reiz, A. Renzini, R. Rood, S. Rosseland, C. A. Rouse, I. Roxburgh, G. Ruben, H. Saio, S. Sakashita, T. Sakurai, E. E. Salpeter, K. Sato, M. P. Savedoff, J. M. Scalo, K. H. Schatten, E. Schatzman, D. N. Schramm, B. F. Schutz, M. Schwarzschild, R. Scufraire, R. L. Sears, Z. F. Seidov, K. V. Sengbusch, G. Shaviv, H. Shibahashi, Y. Shibata, R. Sienkiewicz, E. M. Sion, P. Smeyers, R. C. Smith, Y. Sobouti, P. Souffrin, W. M. Sparks, E. A. Spiegel, S. S. Starrfield, R. F. Stellingwerf, D. W. N. Stibbs, P. A. Strittmatter, B. Stromgren, K. Suda, P. A. Sweet, A. V. Sweigart, M. Tassoul, S. Temesvary, H. C. Thomas, H. R. E. Tjin-a-Djie, J. E. Tohline, J. Toomre, V. L. Trimble-Weber, J. W. Truran, I. V. Tuominen, J. V. Tuominen, J. Uchida, R. Ulrich, W. Unno, U. Uus, D. Vandenberg, R. Van der Borcht, H. B. Van der Raay, H. M. Van Horn, K. A. Van Riper, M. S. Vardya, G. Vauclair, S. C. Vila, O. Vilhu, R. A. Ward, T. A. Weaver, R. F. Webbink, V. Weidemann, A. Weigert, N. O. Weiss, J. C. Wheeler, R. E. Wilson, K. H. Winkler, P. R. Wood, G. A. E. Wright, D.-R. Xiong, H. W. Yorke, S. A. Zhevakin, J. Ziolkowski.

COMMISSION NO 36.

LA THEORIE DES ATMOSPHERES STELLAIRES (THE THEORY OF STELLAR ATMOSPHERES)

PRESIDENT: B. Gustafsson

VICE-PRESIDENT: K. Kodaira

COMITE D'ORGANISATION: D. F. Gray, A. G. Hearn, W. Kalkofen, R. P. Kudritski, D. Mihalas, A. A. Sagar, M. J. Seaton, G. Traving, A. B. Underhill.

MEMBRES: K. D. Athyankar, L. H. Aller, R. C. Altrock, C. Arpigny, R. G. Athay, L. H. Auer, J. R. Auman, E. H. Avrett, B. Baschek, R. A. Bell, A. P. Bernat, C. Bertoud, L. Biermann, C. Blanco, R. C. Bless, A. M. Boesgaard, K. M. Boehm, E. Boehm-Vitense, I. D. Rues, C. J. Cannon,

D. Carbon, T.R. Carson, J. Cassinelli, J.I. Castor, R. Cayrel, G. Cayrel de Strobel, R.E.S. Clegg, P.S. Conti, C.R. Cowley, L.E. Cram, L. Crivellari, Y. Cuny, C.G. Davis, C. de Jager, Ph. Delache, H. Domke, P.L. Dufton, S. Dumont, A.K. Dupree, F.N. Edmonds, G.H. Elste, K. Eriksson, E. Evangelidis, R. Faraggiana, G.D. Finn, R. Foy, H. Frisch, U. Frisch, C. Froeschle, H. Gail, K.B. Gebbie, O. Gingerich, N. Gokdogan, Ch. Gordon, D. Gough, I.P. Grant, J.L. Greenstein, N. Grevesse, V.P. Grinin, H.G. Groth, E.A. Gussman, M.H. Hack, B.M. Haisch, J. Hardorp, J.N. Heasley, L.W. Hartmann, J. Hekela, J. Hitotuyangai, H. Holweger, T.E. Holzer, M. Hotinli, L.L. House, J. Houtgast, I. Hubeny, D.G. Hummer, K. Hunger, J.B. Hutchings, V.V. Ivanov, J.T. Jefferies, H.R. Johnson, L.W. Kamp, R.S. Kandel, A.H. Karp, V.L. Khokhlova, R.I. Klein, D. Koester, A.K. Kolesov, E. Kontizas, K.S. Krishna Swamy, R.P. Kudritzki, L.V. Kuhi, S.S. Kumar, R.L. Kurucz, R.S. Kushwaha, D.L. Lambert, J. Leibacher, J.L. Linsky, J.M. Marlborough, M. Matsumoto, S. Matsushima, G. Michaud, S. Miyamoto, M. Mnatsakanian, S. Mukai, E.A. Muller, G. Munch, E.R. Mustel, J.P. Mutschlecner, D.I. Nagirner, K. Nariai, J.S. Neff, L. Neven, B.J.O'Mara, F.Q. Orrall, J. Oxenius, B.E.J. Pagel, R.J. Panek, L. Pasinetti, J.-C. Pecker, A. Peraiah, G.J. Peters, J.G. Phillips, S.R. Pottasch, F. Praderie, D.N. Rachkovsky, L.W. Ramsey, D. Reimers, J.E.R. Ross, R.J. Rutten, G.B. Rybicki, S. Saito, N.A. Sakhbullin, D.C. Schmalberger, J. Schmid-Burgk, M. Scholz, D. Schoenberner, E. Sedlmayer, R.A. Shine, H.L. Shipman, E. Simonneau, T. Simon, G. Sitnik, A. Skumanich, V.V. Sobolev, Y. Sobouti, P. Souffrin, M.A.J. Snijders, E.A. Spiegel, F. Spite, M. Spite, R. Stalio, R.F. Stein, R.E. Stencel, K. Stepien, D.W.N. Stibbs, S.E. Strom, T.L. Swihart, S.P. Tarafdar, R.N. Thomas, J. Toomre, T. Tsuji, S. Ueno, A. Uesugi, W. Unno, H. Van Regemorter, C. Van't Veer, F. Van't Veer, I. Vardavas, M. Vardya, T. Viik, S.V. Weber, R. Wehrse, V. Weidemann, P. Wellmann, D.T. Wickramasinghe, P.R. Wilson, S.J. Wilson, K.O. Wright, A.A. Wyller, E.G. Yanovitsky, H.W. Yorke, J.P. Zahn, J.B. Zirker, C. Zwaan.

COMMISSION NO 37.

AMAS STELLAIRES ET ASSOCIATIONS (STAR CLUSTERS AND ASSOCIATIONS)

PRESIDENT: K.C. Freeman

VICE-PRESIDENT: D.C. Heggie

COMITE D'ORGANISATION: G.L.H. Harris, G. Lynga, P.E. Nissen, C.A. Pilachovski, G.M. Salukvadze.

MEMBRES: S. Aarseth, T.A. Agekjan, A.K. Alksnis, C.P. Allen, B. Balazs, K.A. Barkhatova, W. Becker, A. Bijaoui, A. Blaauw, P.B. Bouvier, M. Breger, J. Brodie, M.S. Burkhead, D. Butler, G.G. Byrd, R.D. Cannon, B. Carney, C.A. Christian, M.S. Chun, J.J. Claria, K.M. Cudworth, J. Cuffey, G.S. Da Costa, I.A. Daube, P. Demarque, S. Demers, R.J. Dickens, Q.B. Dluzhnevskaya, Yu.N. Efremov, J. Einasto, M.S.A. Ella, B.G. Elmegreen, M.W. Feast, A. Feinstein, M.P. Fitzgerald, J.C. Forte, S.C.B. Gascoigne, M. Golay, J.E. Grindlay, C. Grubisich, D.A. Hanes, W.E. Harris, C.A. Harvel, S.M. Hassan, T.G. Hawarden, H. Henon, W. Herbst, J.E. Hesser, J.G. Hills, I. Iben, G.D. Illingworth, K. Ischida, K.A. Janes, D.H.P. Jones, Z. Kadla, L.W. Kamp, P.N. Kholopov, I.R. King, M. Kontizas, G.E. Kron, C.J. Lada, G. Larsson-Leander, A. Laval, V.V. Lavdovskij, M.H. Liller, T. Lloyd Evans, L.O. Loden, W. Lohmann, P.K. Lu, D. Lynden-Bell, A. Maeder, T. Markkanen, H.G. Marraco, D.H. Martins, T.K. Menon, J.W. Menzies, J.C. Mermilliod, J. Meurers, A.F.J. Moffat, W.W. Morgan, J. Mould, C.A. Murray, E.B. Newell, K. Ogura, W. Osborn, A.M.I. Oosman, E.S. Parsamian, A.J. Penny, C.J. Peterson, M.S. Petrovskaya, A.G.D. Philip, M.D. Popova, A. Poveda, R. Rajamohan, V.C. Reddish, L. Rosino, M.L. Roth, J. Rountree, J. Ruprecht, N.N. Samus, W.L. Sanders, H.B. Sawyer Hogg, H.E. Schuster, A. Sharov, S.J. Shawl, D. Sher, M. Shimoda, A. Terzan, P.S. The, D.G. Turner, A. Upgren, W.F. Van Altena, S. Van den Bergh, D. Vandenbergh, Yu.K. Veltmann, N. Vogt, S. Von Hoerner, G.A.H. Walker, M.F. Walker, A.A.E. Wallenquist, L. Wan, W.H. Warren, H.F. Weaver, A. Wehlau, R.E. White, R. Wielen, R. Woolley, S.S.O. Wramdemark, H.H. Wu, R.J. Zinn.

COMMISSION NO 38.ECHANGE DES ASTRONOMES (EXCHANGE OF ASTRONOMERS)

PRESIDENT: F.B.Wood

VICE-PRESIDENT: E.A.Mueller

COMITE D'ORGANISATION: A.A.Boyarchuk, J.Delhaye, D.A.MacRae, P.M.Routly, J.Sahade, F.G.Smith, C.R.Tolbert, H.H.Voigt, S.-H.Ye.

MEMBRES: A.W.Al-Sabti, B.J.Bok, A.Florsch, G.Godoli, H.Haupt, G.Keller, K.-C.Leung, H.Li, M.Marik, S.Miyamoto, I.S.Nha, S.E.Okoye, A.Opolski, T.L.Page, A.Reiz, G.Ruben, E.V.P.Smith, G.Teleki, J.P.Wild.

COMMISSION NO 40.RADIOASTRONOMIE (RADIO ASTRONOMY)

PRESIDENT: K.I.Kellerman

VICE-PRESIDENT: J.E.Baldwin

COMITE D'ORGANISATION: J.G.Ables, N.W.Broten, G.A.Dulk, B.Hoeglund, N.S.Kardashev, M.Morimoto, S.Okoye, G.Setti, R.G.Strom, G.Swarup, S.-G.Wang, L.Weliachew, T.L.Wilson.

MEMBRES: A.Abrami, P.A.R.Ade, K.Akabane, J.K.Alexander, R.J.Allen, H.Aller, M.F.Aller, W.J.Altenhoff, B.H.Andrew, P.E.Argyle, M.E.Arnal, G.E.Assousa, L.W.Avery, Y.Avignon, J.W.M.Baars, E.E.Bart, L.B.Baath, D.C.Backer, D.S.Bagri, A.Balklavs, A.H.Barret, C.Barrow, N.H.Bartel, D.Basu, R.H.T.Bates, A.O.Benz, G.L.Berge, E.Berkhuijsen, J.H.Bieging, F.Biraud, R.D.Blandfort, E.J.Blum, A.Boehme, A.Boischot, J.G.Bolton, R.S.Booth, V.Boriakoff, P.F.Bowers, R.N.Bracewell, S.Ya.Braude, J.D.Bregman, A.H.Bridle, W.N.Brouw, I.W.A.Browne, G.R.Burbidge, B.F.Burke, C.Caroubalos, T.D.Carr, J.L.Caswell, M.Ceccarelli, Y.Chikada, W.A.Christiansen, W.N.Christiansen, B.G.Clark, D.H.Clark, F.O.Clark, M.H.Cohen, R.J.Cohen, T.Cole, J.J.Condon, E.K.Conklin, R.G.Conway, B.F.C.Cooper, J.M.Cordes, C.H.Costain, R.A.J.Coutrez, A.E.Covington, P.C.Crane, D.L.Croom, J.Crovisier, D.D.Cudaback, E.J.Daintree, T.Daishido, J.G.Davies, R.D.Davies, M.M.Davis, R.J.Davis, T.De groot, C.de Jager, J.Delannoy, J.De la Noe, J.F.Denisse, B.K.Dennison, W.A.Dent, P.E.F.Dewdney, H.R.Dickel, J.R.Dickel, N.H.Dieter, R.Dixon, J.N.Douglas, D.Downes, G.S.Downs, F.D.Drake, A.F.Dravskikh, B.A.Dubinskij, P.J.Duffett-Smith, F.J.Dyson, R.D.Ekers, O.Elgaroy, G.R.A.Ellis, B.Elsmore, G.Elwert, E.E.Epstein, W.C.Erickson, G.Eriksen, Von R.Eshleman, K.D.Evans, M.Ewing, R.Fanti, G.Feix, P.A.Feldman, M.Felli, J.E.Felten, G.B.Field, J.W.Findlay, R.Fleischer, A.D.Fokker, E.B.Fomalont, D.N.Fort, R.H.Frater, H.Friedman, Y.Fukui, E.Fuerst, J.Galt, F.F.Gardner, K.H.Gebler, G.B.Gel'frejkh, H.Gent, R.Genzel, T.E.Gergely, F.D.Ghigo, D.M.Gibson, V.L.Ginzburg, I.M.Gioia, T.Gold, P.F.Goldsmith, S.J.Goldstein, H.C.Goldwire, R.Gonze, U.V.Gopala Rao, M.A.Gordon, S.Gorgolewski, I.V.Gosachinskij, W.M.Goss, J.F.R.Gower, P.C.Gregory, M.Grewing, M.Guelin, S.Gulkis, S.F.Gull, O.Hachenberg, F.T.Haddock, J.P.Hagen, P.A.Hamilton, J.Hanasz, R.Hanbury Brown, T.H.Hankins, P.Hardee, D.E.Harris, R.H.Harten, T.R.Hartz, A.Haschick, C.G.T.Haslam, M.P.Haynes, R.F.Haynes, C.Hazard, D.S.Heeschen, J.Heidmann, C.Heiles, A.Hewish, J.S.Hey, L.A.Higgs, E.R.Hilf, R.E.Hills, H.Hirabayashi, R.M.Hjellming, P.T.P.Ho, D.Hoang Binh, R.W.Hobbs, J.A.Hoegbom, D.E.Hogg, J.M.Hollis, B.G.Hooghoudt, W.E.Howard, W.K.-H.Huchtmeier, V.A.Hughes, A.N.M.Hulsbosch, R.W.Hunstead, R.N.Ikhsavov, V.N.Ikhsanova, M.Inoue, W.J.Jaffe, M.A.Janssen, D.L.Jauncey, R.C.Jennison, L.E.B.Johansson, D.R.Johnson,

K.Johnston, F.Joly, M.N.Joshi, M.Kaftan-Kassim, F.D.Kahn, K.Kai, N.Kaifu, T.Kakinuma, V.K.Kapahi, P.Kaufmann, Kin-Aki Kawabata, I.Kazes, S.Kenderdine, F.J.Kerr, M.L.Kesteven, A.G.Kislyakov, Hsien-Ching Ko, M.M.Kobrin, G.Kojoian, M.Komesaroff, D.V.Korolkov, V.A.Kotelnikov, J.D.Kraus, T.Krishnan, P.P.Kronberg, E.Kruegel, J.M.E.Kuijpers, W.Kundt, M.R.Kundu, V.N.Kuril'chik, A.J.Kus, M.L.Kutner, A.D.Kuz'min, C.J.Lada, M.Laffineur, K.R.Lang, W.D.Langer, P.Lantos, M.I.Large, Y.LebLanc, J.R.D.Lepine, J.Lequeux, A.M.Le Squeren, C.M.Leung, A.E.Lilley, R.A.Linke, A.G.Little, L.Th.Little, K.-Y.Lo, J.L.Locke, M.S.Longair, R.B.Loren, T.Loziinskaya, Sir Bernard Lovell, A.G.Lyne, J.M.MacLeod, D.A.MacRae, G.H.MacDonald, J.Machalski, R.N.Manchester, S.P.Maran, A.P.Marscher, R.N.Martin, D.N.Matheson, K.Mattila, D.N.Matsakis, L.I.Matveyenko, A.Maxwell, C.H.Mayer, W.B.McAdam, P.M.McCulloch, R.X.McGee, S.McKenna-Lawlor, D.J.McLean, U.Mebold, M.L.Meeks, T.K.Menon, P.G.Mezger, G.K.Miley, B.Y.Mills, D.K.Milne, I.F.Mirabel, A.T.Moffet, I.G.Moiseev, A.P.Molchanov, J.Moran, I.Morison, F.Moriyama, R.Morras, D.Morris, M.R.Morris, C.A.Muller, H.S.Murdoch, R.L.Mutel, P.Myers, G.D.Nicolson, J.D.O'Sullivan, J.H.Oort, D.E.Osterbrock, F.N.Owen, A.G.Pacholczyk, P.Palmer, V.L.Pankonin, M.Papagiannis, Yu.N.Parijskij, E.A.Parker, A.Parrish, J.M.Pasachoff, I.K.K.Pauliny-Toth, T.A.Pauls, A.Pedlar, A.A.Penzias, R.A.Perley, W.L.Peters, G.H.Pettengill, T.G.Phillips, M.Pick, J.E.B.Ponsonby, G.G.Pooley, R.Porcias, R.A.Preston, E.Preuss, R.M.Price, W.Priester, J.J.Puschell, V.Radhakrishnan, E.Raimond, R.Ramaty, A.P.Rao, V.A.Razin, A.C.S.Readhead, G.Reber, W.Reich, M.J.Reid, J.-C.Ribes, L.J.Rickard, B.J.Rickett, J.M.Riley, J.A.Roberts, M.S.Roberts, D.S.Robertson, J.G.Robertson, B.J.Robinson, R.D.Robinson, R.C.Roeder, R.S.Roger, A.E.E.Rogers, D.H.Rogstad, K.Rohlf, J.D.Romney, B.Rowson, L.Rudnick, G.H.B.Rydbeck, O.E.H.Rydbeck, Sir Martin Ryle, N.F.Ryzhkov, A.E.Salomonovich, E.E.Salpeter, V.A.Sanamjan, Ch.V.Sastry, F.Sato, A.Savage, E.Scalise Jr., P.A.G.Scheuer, R.T.Schilizzi, R.Schlickeiser, M.Schmidt, G.V.Schultz, P.R.Schwartz, U.J.Schwarz, J.S.Scott, P.F.Scott, E.R.Seaquist, G.A.Seielstad, J.H.Seiradakis, D.Shaffer, J.R.Shakeshaft, P.Shaver, K.V.Sheridan, A.J.Shimmis, I.S.Shklovsky, G.B.Sholomitsky, W.L.H.Shuter, W.Sieber, P.A.Simon, R.P.Sinha, M.A.Slade, O.B.Slee, V.I.Slysh, A.G.Smith, D.F.Smith, F.G.Smith, N.S.Soboleva, Y.Sofue, R.L.Sorochenko, J.H.Spencer, R.E.Spencer, R.Sramek, G.J.Stanley, D.Stannard, J.L.Steinberg, P.Stewart, R.G.Stone, W.T.Sullivan, G.W.Swenson Jr., H.Tabara, K.Takagi, T.Takakura, H.Tanaka, R.Tanaka, J.C.Tarter, Y.Terzian, P.Thomasson, A.R.Thompson, C.Thum, A.Tlamicha, C.R.Tolbert, P.Tomasi, H.M.Tovmassian, C.H.Townes, K.P.Tritton, V.S.Troitsky, T.H.Troland, S.Tsuruta, Z.Turlo, B.E.Turner, K.C.Turner, A.J.Turtle, B.T.Ulrich, M.H.Ulrich, J.P.Vallee, H.C.Van de Hulst, T.Van der Hulst, P.C.Van der Kruit, H.Van der Laan, J.Van Nieuwkoop, H.Van Woerden, P.Vanden Bout, C.M.Varsavsky, T.Velusamy, V.R.Venugopal, P.Veron, G.L.Verschuur, M.R.Viner, C.M.Wade, J.V.Wall, M.C.Walmsley, D.Walsh, T.-S.Wan, S.-G.Wang, P.G.Wannier, J.F.C.Wardle, P.J.Warner, J.W.Warwick, H.F.Weaver, H.J.Wendker, G.Westerhout, K.C.Westfold, J.B.Whiteoak, N.C.Wickramasinghe, R.Wielebinski, J.P.Wild, P.N.Wilkinson, D.Williams, A.G.Willis, B.Wills, D.Wills, R.F.Willson, A.S.Wilson, R.W.Wilson, W.J.Wilson, J.E.Wink, A.Winnberg, G.Winnewisser, A.Witzel, L.Woltjer, A.W.Woodsworth, A.E.Wright, P.-Y.Xu, V.V.Zaitsev, V.V.Zhelezniakov, S.Zieba, P.Zlobec, B.M.Zuckerman.

COMMISSION NO 41.

HISTOIRE D'ASTRONOMIE (HISTORY OF ASTRONOMY)

PRESIDENT: O.Pedersen

VICE-PRESIDENT: J.A.Eddy

COMITE D'ORGANISATION: H.Elsalu, E.Forbes, M.A.Hoskin, Verdet, K.Yabuuti.

MEMBRES: S.M.R.Ansari, J.G.Argyracos, R.Perendzen, R.L.Bishop, J.P.Brunet,

J.B. Carlson, Z.G. Chen, M. Cimino, Z. Dacic, J. Darius, T.L. Deeming, E. Dekker, D.W. Dewhirst, J. Dobrzycki, A.V. Douglas, N.P. Erpylev, D.S. Evans, D. Fernie, D.K. Ferrari-d'Occhieppo, J. Filliozat, M.G. Firneis, P.S. Florides, H.C. Freiesleben, R.R. Freitas-Mourao, O. Gingerich, G.S. Hawkins, A. Hayli, D. Heggie, D. Herrmann, H. Hirose, E.J. Hysom, Z. Horsky, H.D. Howse, G.M. Idlis, G. Jackisch, J.E. Kennedy, G.S. Khromov, T. Kiang, H.C. King, D. Kotsakis, P.G. Kulikovskiy, K.R. Lang, J.R. Levy, F. Link, S.M.P. McKenna-Lawlor, A.J. Meadows, J. Merleau-Ponty, K.P. Moesgaard, S. Nakayama, J. North, G.C. Omer, D. Osterbrock, J. Pelseneer, C.J. Peterson, W. Petri, D. Pingree, A. Pogo, N.A. Porter, E. Poulle, C.A. Ronan, E. Rosen, E. Rybka, P. Rybka, V.P. Shcheglov, K.S. Shukla, F.R. Stephenson, W. Sullivan, A. Sundman, S.N. Svolopoulos, N. Swerdlov, R. Taton, V. Thoren, D. Wattenberg, E.A. Whitaker, G.J. Whitrow, C.A. Wilson, H. Wright, Z.Z. Xi, D.K. Yeomans, Q.M. Zhao.

COMMISSION NO 42.

ETOILES DOUBLES SERREES (CLOSE BINARY STARS)

PRESIDENT: A.H. Batten

VICE-PRESIDENT: J. Smak

COMITE D'ORGANISATION: K.D. Abhyankar, J. Andersen, A.M. Cherepashchuk, M. Kitamura, R.H. Koch, Y. Kondo, K.-Ch. Leung, M. Rodono, G. Shaviv, E.P.J. Van den Heuvel, B. Warner.

MEMBRES: E. Antonopoulou, B.M. Barber, G.T. Bath, L. Binnendijk, W. Blitzstein, C.T. Bolton, B.B. Bookmyer, S. Bonnazzola, B.W. Bopp, R. Breinhorst, P. Broglia, R.R. Brownlee, F. Bruhweiler, E. Budding, A.N. Bunner, S. Catalano, B. Cester, R.C. Chambliss, K.-Y. Chen, G. Chanmugam, G.G. Cillie, J.V. Clausen, D. Chochol, G.W. Collins, A.P. Cowley, S. Cristaldi, A.N. Dadaev, J.-P. De Greve, M.J.H. De Groot, J. De Kort, O. Demircan, N.A. Doughty, H. Drechsel, H.W. Duerbeck, J.A. Eaton, E.G. Ebbighausen, P.P. Eggleton, J. Faulkner, F. Fekel, K. Ferrari d'Occhieppo, C. Firmani, B.P. Flannery, M. Fracassini, M.G. Fracastoro, Yu.L. Frantsman, L.W. Fredrick, A. Fresa, M. Friedjung, S. Gaposhkin, C.D. Garmany, E.H. Geier, P. Giannone, D.M. Gibson, G. Giuricin, J. Grygar, E.F. Guinan, A.F. Gulliver, H. Gursky, K. Gyldenkerne, D.S. Hall, G. Hammerschlag-Hensberge, P. Harmanec, J. Hazlehurst, T.J. Herczeg, R.W. Hilditch, G. Hill, R.M. Hjellming, M. Hoffmann, T. Horak, D.P. Hube, J. Hutchings, M. Imbert, J.B. Irwin, C. Jaschek, P.C. Joss, I. Jurkevich, C.D. Kandpal, V.G. Karetnikov, S. Kawabata, A. Kizilirmak, Z. Kopal, P. Koubsky, R.P. Kraft, V.A. Krat, Z. Kraicheva, J. Krautter, J.M. Kreiner, S. Kriz, K.G. Kron, A. Kruszcwski, W. Krzeminski, M.I. Kumsiasvily, M. Kurpinska-Vinierska, Z. Kviz, K.K. Kwee, C.H. Lacy, D.Q. Lamb, A.U. Landolt, G. Larsson-Leander, M.I. Lavrov, A.P. Linnnell, L.B. Lucy, V.M. Lyuty, N.L. Magalashvily, A. Mammano, F. Mardirossian, E. Marilli, B.F. Marino, D. Ya. Martynov, J.A. Mattei, H. Mauder, P. Mayer, G.E. Mc Cluskey, J. McDonald, J.E. Merrill, E. Meyer-Hofmeister, M. Mezzetti, E.F. Milone, S.W. Mochnacki, T.H. Morgan, G.S. Mumford, H.M.K. Naimy, K. Nariai, R.E. Nather, B. Nelson, IL-S.Nha, B. Nordstrom, A. Okazaki, J.P. Oliver, M.V. Ovenden, B. Paczynski, G.J. Peters, V. Piirola, S. Piotrowski, M. Plavec, R.S. Polidan, D.M. Popper, J. Pringle, A. Purgathofer, J.B. Rafert, J. Rahe, T. Rahunen, K.D. Rakos, S. Refsdal, E.G. Reuning, H. Ritter, J.A. Robertson, E.L. Robinson, P. Rovithis, I.W. Roxburgh, S. Rucinski, A.R. Sadik, J. Sahade, N.B. Sanwal, A. Sanyal, F. Scaltriti, C.D. Scarfe, H. Schmidt, H.J. Schober, E.F. Schoeffel, W. Seggewiss, I. Semeniuk, N.I. Shakura, L.Z. Shen, F.H. Shu, A.R. Shulberg, Z. Sima, J.F.L. Simmons, S.D. Sinval, R.C. Smith, S. Sobieski, S. Soderhjelm, J.-E. Solheim, W.M. Sparks, S. Starrfield, R.E. Stencel, W. Strohmeier, D. Sugimoto, A. Sundman, M.A. Svehnikov, R. Szafraniec, P. Szkody, I. Todoran, J. Tremko, V. Trimble, V.P. Tsesevich, A.V. Tutukov, V. Ureche, W. Van Hamme, A. Van Hoof, J. Van Paradijs, F. Van't Veer, M. Vetesnik, O. Vilhu, W.S.G. Walker, K. Walter, M.J. Ward, R.F. Webbink, W.H. Wehlau, A. Weigert, E.J. Weiler, P. Wellmann, A.J. Wesselink, C. Whyte, T. Widorn, R.M. Williamson, R.E. Williams, R.E. Wilson, D.B. Wood, F.B. Wood, K.O. Wright, A. Yamasaki, D.S. Zhai, J. Ziolkowski, E.J. Zuiderwijk.

COMMISSION NO 44.L'ASTRONOMIE A PARTIR DE L'ESPACE (ASTRONOMY FROM SPACE)

PRESIDENT: M.Oda

VICE-PRESIDENT: Y.Kondo

COMITE D'ORGANISATION: A.A.Boyarchuk, K.Fredga, M.Grewing, D.C.Morton, L.Peterson, E.Peytreman, A.B.Underhill, B.Valnicek, K.A.Van der Hucht, R.J.Van Duinen, A.J.Willis.

MEMBRES: L.W.Acton, J.K.Alexander, B.Aschenbach, G.F.Benedict, J.E.Blamont, R.C.Bless, A.Boggess, R.C.Bohlin, A.Boksenberg, R.M.Bonnet, R.L.F.Boyd, J.C.Brandt, B.C.Brinkman, G.E.Brueckner, F.C.Brühweiler, E.C.Bruner, V.Bumba, M.Burger, W.M.Burton, M.F.Campbell, P.K.Carroll, J.H.Carver, R.C.Catura, G.Clark, P.A.Charles, D.Chochol, T.A.Chubb, T.A.Clark, A.D.Code, G.Courtes, C.J.Crannell, L.Culhane, A.F.Davidsen, R.J.Davis, C.de Jager, B.R.Dennis, J.F.Dolan, L.Dunkelman, A.Dupree, R.Faraggiana, G.G.Fazio, C.E.Fichtel, D.C.Fisher, G.J.Fishman, B.Fitton, I.Furniss, H.Friedman, A.H.Gabriel, D.Y.Gezari, R.Giacconi, D.P.Gilra, H.Glaser, T.Gold, L.Goldberg, P.Gondhalekar, H.D.Greyber, R.E.Griffiths, T.R.Gull, H.Gursky, M.Hack, F.Haddock, K.L.Hallam, R.J.Harms, T.R.Hartz, C.C.Harvey, P.M.Harvey, S.Hayakawa, A.G.Hearn, H.M.Heckathorn, J.Heise, H.Helmken, K.G.Henize, J.C.Henoux, H.Hensberge, H.E.Hinteregger, J.A.Hoffman, L.Houziaux, M.C.E.Hueber, C.Jamar, E.B.Jenkins, C.Jordan, M.Kafatos, K.Kasturirangan, G.G.Kramer, W.L.Kraushaar, V.G.Kurt, H.J.Lamers, D.S.Leckrone, P.Lemaire, W.Lewin, B.A.Lindblad, J.Linsky, Sir Bernard Lovell, P.Luest, F.Machetto, D.J.Malaise, H.M.Malitson, A.Manara, S.L.Mandelstam, S.P.Maran, T.M.K.Marar, M.Y.Marov, M.Matsuoka, G.E.McCluskey, K.G.McCracken, R.W.P.McWhirter, J.P.Mehlretter, R.Mewe, A.A.Mikhailov, A.Michalitsianos, J.L.Modisette, A.Monfils, H.W.Moos, T.H.Morgan, D.C.Morton, E.A.Muller, T.L.Murdock, N.F.Ness, W.H.Neupert, G.A.Newkirk, R.Novick, V.Novotny, R.Noyes, H.Olthof, E.O'Mongain, T.Owen, F.Pacini, M.Papagiannis, J.H.Parkinson, W.H.Parkinson, G.Peters, K.Pinkau, R.Poliden, K.Pounds, S.D.Price, V.D.Prokof'ev, J.Rahe, R.V.Rao, M.Rees, E.M.Reeves, W.A.Rense, G.Righini-Cohen, N.G.Roman, J.D.Rosendhal, G.Ruben, A.E.Salomonovich, K.Sato, B.Savage, W.Schoneich, G.V.Schultz, S.J.Schwartz, P.Selvelli, A.B.Severny, K.Shivanandan, G.B.Sholomitsky, P.Simon, P.C.Simon, B.A.Smith, H.A.Smith, H.J.Smith, T.P.Snow, S.Sofia, R.Speer, T.P.Stecher, J.L.Steinberg, R.E.Stencil, P.A.Stern, H.S.Stockman, R.G.Stone, T.Takakura, Y.Tanaka, W.A.Traub, J.Truemper, W.L.Upson, H.F.Van Beek, H.C.Van de Hulst, L.P.Van Speybroeck, J.C.Vial, A.Vidal-Madjar, R.Viotti, D.Walsh, J.W.Warner, E.J.Weiler, J.L.Weinberg, P.Wesselius, J.A.Westphal, S.P.Willner, R.Wilson, J.D.Wray, C.C.Wu, K.Yamashita, J.C.Zarneki, M.V.Zombeck, H.C.Zou.

COMMISSION NO 45.CLASSIFICATION STELLAIRE (STELLAR CLASSIFICATION)

PRESIDENT: V.L.Straizys

VICE-PRESIDENT: R.F.Garrison

COMITE D'ORGANISATION: R.A.Bell, M.Golay, A.Heck, M.Jaschek, D.J.MacConnell, A.G.D.Philip, A.Slettebak.

MEMBRES: H.Albers, A.L.Ardeberg, J.D.R.Bahng, M.Barbier, D.C.Barry, R.A.Bartaya, W.P.Bidelman, V.M.Blanco, P.B.Boyce, W.Buscombe, R.Buser, B.Cester, A.M.Cherepashchuk, J.Christy, J.J.Claria, A.P.Cowley, D.Crampton, D.L.Crawford,



L.Divan, M.Duflot, T.Elvius, D.S.Evans, M.W.Feast, Ch.Fehrenbach, M.Fracassini, M.Gerbaldi, E.H.Geyer, Ju.V.Glagolevskij, H.H.Guetter, G.Gurzadyan, M.H.Hack, K.L.Hallam, B.Hauck, D.S.Hayes, A.Heck, K.G.Henize, R.Herman, P.W.Hill, W.A.Hiltner, A.A.Hoag, N.Houk, L.Huang, R.M.Humphreys, C.Jaschek, P.C.Keenan, E.K.Kharadze, G.E.Kron, J.Landi-Dessy, O.H.Levato, T.Lloyd-Evans, K.Loden, F.J.Low, G.Lynga, J.Lutz, A.Maeder, H.Maehara, S.Malaroda, M.F.McCarthy, R.D.McClure, D.H.McNamara, J.Mead, E.E.Mendoza, W.W.Morgan, N.Morguleff, K.Nandy, V.B.Nikonov, P.Notni, T.Oja, E.H.Olsen, K.Osawa, W.Osborn, S.Parsons, L.E.Pasinetti, C.L.Perry, G.W.Preston, V.C.Reddish, H.B.Richer, J.Rountree, M.Rudkjoberg, N.Sanduleak, N.B.Sanwal, R.E.Schild, Th.Schmidt-Kaler, W.C.Seitter, S.L.Sharpless, U.Sinnerstad, S.D.Sinvhal, U.W.Steinlin, C.B.Stephenson, J.Stock, A.Strobel, B.Stromgren, A.R.Uppgren, N.R.Walborn, G.A.H.Walker, B.Warner, W.Warren, R.M.West, B.Westerlund, P.R.Wesseliuss, J.A.Williams, O.C.Wilson, R.Wing, H.H.Wu, S.Wyckoff, K.M.Yoss, K.Zdanavicius.

COMMISSION NO 46.

L'ENSEIGNEMENT DE L'ASTRONOMIE (THE TEACHING OF ASTRONOMY)

PRESIDENT: L.N.Houziaux

VICE-PRESIDENTS: M.Rigutti, C.Ivaniszewska

COMITE D'ORGANISATION: S.Ferraz-Mello, M.Gerbalbi, J.Kleczeck, E.V.Kononovich, D.McNally, S.E.Okoye, R.R.Robbins, Aa.Sandqvist, D.G.Wentzel.

MEMBRES: A.Acker, A.Z.Aiad, S.M.Alladin, H.L.Andrillat, S.H.R.Ansari, A.S.Asaad, I.Atanasijevic, V.Barocas, L.Bottinelli, W.Buscombe, E.Brieva, P.B.Byrne, J.Casanovas, A.Catala-Poch, J.M.Chamberlain, D.Clarke, S.Codina, E.A.Dibay, N.Dinulescu, F.Dominko, N.A.Doughty, D.L.Dupuy, O.Elgaroy, K.J.Feng, I.Ferrin, F.Fuenmayor, L.Gouguenheim, H.S.Gurm, B.Hauck, H.F.Haupt, S.Hazer, B.Hidayat, D.B.Hoff, S.Isobe, V.V.Ivanov, A.H.Jarrett, H.E.Jorgensen, M.Karabin, J.E.Kennedy, V.Kourganoff, Loh Yu Kyung, K.Lumme, R.C.Maddison, M.Marik, J.C.D.Marsh, L.Mavridis, H.G.Miles, H.Moreno, E.A.Muller, N.S.Nicolov, B.Onderlicka, W.Osborn, J.Osorio, N.Owaki, J.M.Pasachoff, B.F.Peery, J.Percy, E.Proverbio, Q.-Y.Qu, M.Rego-Fernandez, A.Ringuelet, L.J.Robinson, A.W.Rodgers, L.F.Rodriguez, C.Roslund, A.E.Roy, A.R.Sadik, J.L.Safko, H.Scheffler, T.Schmidt, P.A.H.Seymour, Chung Shan Shen, H.L.Shipman, R.Steinitz, K.N.Taylor, K.P.Tritton, J.A.Van Paradijs, V.Vujvovik, W.Zealey, M.Zeilik, H.Zimmermann.

COMMISSION NO 47.

COSMOLOGIE (COSMOLOGY)

PRESIDENT: J.Audouze

VICE-PRESIDENT: G.C.Setti

COMITE D'ORGANISATION: G.O.Abell, L.P.Grischuk, J.Gunn, S.Hayakawa, B.J.T.Jones, M.J.Rees, R.A.Sunyaev, H.Van der Laan.

MEMBRES: K.Aizu, H.Alfven, H.Andrillat, J.E.Baldwin, J.M.Bardeen, J.M.Barnothy, J.D.Barrow, D.Basu, J.E.Beckman, N.Bel, F.Bertola, S.P.Bhavsar, G.V.Bicknell, S.A.Bludman, A.F.Bogorodsky, J.R.Bond, H.Bondi, W.B.Bonnor, K.Brecher, G.R.Burbidge, M.Calvani, A.Cavaliere, G.Chinearini, D.M.Chitre, J.M.Cohen, J.J.Condon, W.Davidson,

P.C.W.Davies, M.M.Davis, A.Dekel, G.De Zotti, J.Demaret, G.De Vaucouleurs, R.H.Dicke, D.Dionysiou, A.G.Doroshkevich, C.C.Dyer, J.Ehlers, J.Einasto, G.F.R.Ellis, S.M.Faber, S.W.Falk, S.M.Fall, L.-Z.Fang, J.E.Felten, G.B.Field, P.S.Florides, R.Fong, H.C.Ford, W.R.Forman, M.Fujimoto, T.Fukui, M.G.Geller, O.Godart, T.Gold, D.W.Goldsmith, P.Goret, L.Gratton, S.A.Gregory, H.D.Greyber, S.Hacyan, K.Hara, E.Hardy, R.J.Harms, E.R.Harrison, S.W.Hawking, C.Hayashi, X.-T.He, O.Heckmann, J.Heidmann, M.Heller, F.Hoyle, J.P.Huchra, V.Icke, D.L.Jauncey, R.C.Kapoor, I.D.Karachentsev, U.Kasper, S.Kato, K.Kawabata, K.I.Kellerman, A.K.Kembhavi, J.Kormendy, A.Kovetz, B.Z.Kozlovsky, P.E.Kustaanheimo, K.W.Lake, J.P.Lasota, A.Lausberg, D.Layzer, J.Lequeux, D.E.Liebscher, M.S.Longair, T.Lu, M.A.H.MacCallum, F.Mardirossian, J.Marek, J.Materne, J.C.Mather, J.D.McCrea, W.H.McCrea, G.C.McVittie, F.Melchiorri, P.Meszáros, M.Mezzetti, C.W.Misner, R.A.Müller, H.Nariai, J.V.Narlikar, Y.Ne'eman, W.T.Ni, M.Nishida, P.D.Noerdlinger, T.W.Noonan, I.Novikov, R.F.O'Connell, A.Oemler, S.E.Okoye, G.C.Omer, R.Omnes, J.H.Oort, L.M.Ozernoi, G.Paal, J.Pachner, D.N.Page, J.C.Pecker, P.J.E.Peebles, A.Penzias, S.Persides, B.A.Peterson, V.Petrosian, W.H.Press, Q.-Y.Qu, H.Reeves, M.Reinhardt, W.Rindler, D.H.Roberts, I.Robinson, R.C.Roeder, I.W.Roxburgh, V.C.Rubin, V.Ruddy, L.Rudnick, M.Ryle, H.Saar, A.A.Sapar, W.L.W.Sargent, K.Sato, A.Savage, E.Schatzman, P.A.G.Scheuer, M.Schmidt, D.N.Schramm, E.Schucking, V.F.Schwartzman, D.W.Sciama, E.L.Scott, I.E.Segal, G.A.Seielstad, J.L.Sersic, P.A.Shaver, S.F.Shandarin, G.Shaviv, K.Shivanandan, R.L.E.Simon, H.E.Smith, G.F.Smoot, N.Spyrou, F.W.Stecker, G.Steigman, J.M.Stewart, W.R.Stoeger, M.F.Struble, C.R.Subrahmanya, J.M.G.Surdej, S.Szalay, G.A.Tammann, J.C.Tarter, G.E.Tauber, R.J.Taylor, L.A.Thompson, X.Thuan, W.G.Tifft, H.J.Treder, S.D.Tremaine, V.L.Trimble, R.B.Tully, E.L.Turner, M.S.Turner, P.C.Vaidya, V.Vanysek, C.V.Vishveswara, H.H.Von Borzeszkowski, A.S.Webster, S.Weinberg, P.S.Wesson, J.A.Wheeler, S.D.M.White, G.J.Whitrow, D.Wilkinson, C.M.Will, A.G.Wilson, E.L.Wright, B.C.Xanthopoulos, YA.B.Zel'dovich, A.L.Zel'manov, J.L.Zhang, A.Zieba, S.Zieba, E.J.Zuiderwijk,

COMMISSION NO 48.

ASTROPHYSIQUE DE GRANDE ENERGIE (HIGH-ENERGY ASTROPHYSICS)

PRESIDENT: R.Giacconi

VICE-PRESIDENT: C.Cesarsky

COMITE D'ORGANISATION: G.Clark, F.Pacini, P.Scheuer, E.Salpeter, R.A.Sunyaev, J.Truemper, L.Woltjer, Q.-Y.Qu.

MEMBRES: M.Abramowicz, D.Adams, H.S.Ahluwalia, H.Alfven, L.Alvarez, K.M.V.Apparao, J.Arons, B.Aschenbach, E.Asseo, J.Audouze, Y.Avni, W.I.Axford, W.A.Baan, J.Barnothy, D.Basu, G.A.Baym, R.H.Pecker, M.C.Begelman, G.Benford, J.Bergeron, G.V.Bicknell, S.Biswas, S.Bladman, R.D.Blandford, S.A.Bludman, S.Bonazzola, S.Bonometto, D.J.Bond, R.L.F.Boyd, K.Brecher, A.N.Bunner, G.R.Burbidge, A.S.Burrows, A.G.W.Cameron, W.C.Cash, M.Casse, R.C.Catura, G.K.Caughlan, A.Cavaliere, S.Chandrasekhar, S.M.Chitre, T.A.Chubb, E.L.Chupp, J.M.Cohen, S.Collin-Souffrin, J.J.Condon, L.L.Cowie, R.Cowsik, M.Cruise, J.L.Culhane, J.M.Da Costa, G.Dautcourt, A.F.Davidsen, W.Davidson, L.Davis Jr., M.M.Davis, F.De Felice, T.De Graaff, D.S.De Young, H.Debrunner, B.R.Dennis, B.S.Dewitt, R.H.Dicke, M.Disney, J.F.Dolan, F.D.Drake, J.G.Duthie, P.J.Edwards, D.Eichler, J.Eilek, W.D.Evans, A.C.Fabian, L.-Z.Fang, G.Fazio, J.E.Felten, K.B.Fenton, A.Ferrari, C.Fichtel, G.B.Field, P.C.Fisher, W.R.Forman, W.A.Fowler, H.Friedman, G.P.Garmire, V.L.Ginzburg, T.Gold, D.W.Goldsmith, W.D.Gonzalez-a, K.I.Greisen, H.Greyber, M.Grewing, R.E.Griffiths, J.Grindlay, J.E.Gunn, H.Gursky, O.Guseinov, A.N.Hall, M.O.Harwit, S.W.Hawking, S.Hayakawa, J.Heise, D.J.Helfand, R.N.Henriksen, R.C.Henry, D.Hoang Binh, J.A.Hoffman, N.J.Holloway, F.Hoyle, J.Ipser, W.Israel, K.Ito, J.C.Jackson, W.J.Jaffe, J.V.Jelley,

J.R.Jokipii, F.C.Jones, T.W.Jones, P.C.Joss, P.Kafka, F.D.Kahn, J.I.Katz, K.Kellerman, E.Kellogg, A.K.Kembhavi, J.Kirk, G.Kocharov, M.Kondo, B.Z.Kozlovsky, E.Kreisel, K.G.B.Kristiansson, R.M.Kulsrud, W.Kundt, V.G.Kurt, D.Q.Lamb Jr., F.Lamb, S.A.Lamb, M.Lampton, G.J.Lasher, J.M.Lattimer, S.M.Lea, Q.-B.Li, E.Liang, J.Linsley, M.S.Longair, R.V.E.Lovelace, T.Lu, R.Luest, D.Lynden-Bell, T.Maccacaro, I.M.Martin, E.P.Masetz, K.O.Mason, M.Matsuoka, T.J.Mazurek, B.P.McBreen, R.A.McCray, D.B.Melrose, L.Mestel, P.Meszaros, F.Meyer, J.-P.Meyer, F.C.Michel, J.C.Miller, S.Miyamoto, P.Morrison, Y.Ne'eman, R.Novick, R.F.O'Connell, M.Oda, S.E.Okoye, J.P.Ostriker, D.F.O'Sullivan, L.N.Ozernoy, A.G.Pacholczyk, C.G.Page, G.G.C.Palumbo, E.Parker, J.H.Parkinson, I.Pauliny-Toth, C.Perola, B.A.Peterson, L.E.Peterson, V.Petrosian, J.H.Piddington, K.Pinkau, N.A.Porter, K.A.Pounds, E.Preuss, H.Quintana, V.Radhakrishnan, S.Ramadurai, M.J.Rees, H.Reeves, M.Reinhardt, T.N.Rengarajan, B.Rossi, M.Salvati, W.T.Sanders III, L.Sartori, W.C.Saslaw, M.P.Savedoff, J.D.Scargle, E.T.Scharlemann, K.H.Schatten, E.Schatzman, R.Schilizzi, D.N.Schramm, V.F.Schwartzman, D.W.Sciama, J.S.Scott, G.Seielstad, G.Setti, J.Shaham, N.Shakura, M.M.Shapiro, P.Shaver, G.Shaviv, G.A.Shields, I.Shklovsky, C.S.Shukre, R.Silberberg, J.Skilling, B.W.Smith, F.G.Smith, S.Sofia, L.Spitzer, G.Steigman, A.A.Stepanian, H.S.Stockman Jr., P.A.Sturrock, J.H.Swank, F.Takahara, R.J.Tayler, N.J.Terrell, K.S.Thorne, V.L.Trimble, J.W.Truran, S.Tsuruta, K.A.Van Riper, N.Vidal, S.-G.Wang, T.A.Weaver, A.S.Webster, M.C.Weisskopf, D.G.Wentzel, K.C.Westfold, J.A.Wheeler, C.M.Will, J.R.Wilson, R.Wolstencroft, D.M.Worrall, YA.B.Zeldovich, H.-Q.Zhang, J.-L.Zhang, M.V.Zombeck.

COMMISSION NO 49.

LA PLASMA INTERPLANETAIRE ET L'HELIOSPHERE  
(THE INTERPLANETARY PLASMA AND THE HELIOSPHERE)

PRESIDENT: I.W.Roxburgh

VICE-PRESIDENT: S.Grzedzielski

COMITE D'ORGANISATION: S.Cuperman, A.Z.Dolginov, H.J.Fahr, H.U.Keller, F.Paresce, G.Setti, S.T.Suess, C.S.Weller.

MEMBRES: H.S.Ahluwalia, S.Ananthakrishnan, K.A.Anderson, S.M.R.Ansari, E.Antonucci, A.Barnes, C.H.Barrow, C.A.Barth, J.L.Bertaux, D.E.Blackwell, P.W.Blum, R.M.Bonnet, C.S.Bowyer, J.C.Brandt, L.F.Burlaga, J.W.Chamberlain, B.Chen, F.Crifo, C.de Jager, P.Delache, D.S.De young, M.Dryer, B.Durney, J.E.Dyson, E.V.Ergma, Von R. Eshleman, A.Eviatar, J.Feynman, G.B.Field, J.T.Gosling, S.R.Habbal, C.C.Harvey, J.Heyvaerts, J.V.Hollweg, T.E.Holzer, J.A.Ionson, J.R.Jokipii, T.Kakinuma, S.A.Kaplan, J.P.Lafon, E.Levy, N.A.Lotova, R.Luest, R.MacQueen, A.Mangenev, O.T.Matsuura, H.Mavromichaliki, D.A.Mendis, L.Mestel, F.C.Michel, X.Moussas, Y.Nakagawa, G.A.Newkirk, E.N.Parker, F.Perkins Jr., K.Pflug, G.Pneuman, M.A.Raadu, A.C.S.Readhead, N.K.Reay, B.J.Rickett, A.C.Riddle, H.W.Ripken, F.E.Roach, R.Rosner, C.T.Russel, E.P.Sarris, C.Sawyer, E.Schatzman, F.Scherb, K.Schindler, H.U.Schmidt, A.B.Sevrny, S.D.Shawhan, M.A.Shea, D.F.Smith, C.P.Sonett, R.G.Stone, P.A.Sturrock, H.Tanaka, L.A.Vainshtein, J.A.Van Allen, M.K.Wallis, T.Watanabe, J.M.Wilcox, J.P.Wild, S.T.Wu.

COMMISSION NO 50.

PROTECTION DES SITES D'OBSERVATOIRES EXISTANTS ET POTENTIELS  
(PROTECTION OF EXISTING AND POTENTIAL OBSERVATORY SITES)

PRESIDENT: A.A.Hoag

VICE-PRESIDENT: S.Van den Bergh

COMITE D'ORGANISATION: C.Anguita, A.Ardeberg, F.Bertola, V.Blanco, R.Cayrel, P.J.Edwards, J.T.Jefferies, W.Mattig, B.E.J.Oke, F.G.Smith, M.F.Walker.

MEMBRES: J.Arias de Grieff, A.S.Asaad, J.C.Bhattacharyya, C.Blanco, A.A.Boyarchuk, J.Casanovas, D.L.Crawford, J.Davis, J.Dommanget, L.Dunkelman, H.Elsaesser, E.Goebel, S.-M.Gong, K.Gyldenkerne, L.Huang, A.Kubicela, E.M.Leibowitz, T.K.J.Markkanen, S.Marx, L.N.Mavridis, E.Mendoza, S.Newar, S.B.Novikov, K.Osawa, J.Osorio, F.Sanchez, R.T.Schilizzi, P.V.Shcheglov, L.Z.Shen, C.Torres, J.Tremko, P.A.Wayman, W.Woolf, A.Woszczyk, B.-R.Zhang.

COMMISSION NO 51.

RECHERCHE DE LA VIE DANS L'UNIVERS (SEARCH FOR EXTRATERRESTRIAL LIFE)

PRESIDENT: M.D.Papaqiannis

VICE-PRESIDENTS: N.S.Kardashev, F.D.Drake

COMITE D'ORGANISATION: R.D.Brown, P.Connes, G.D.Gatwood, L.Goldberg, J.Jugaku, G.Marx, F.Pacini, M.J.Rees, V.S.Troitsky.

MEMBRES: H.M.K.Al-Naimy, A.W.Al-Sabti, I.F.Almar, V.A.Ambartsumian, H.Ando, G.A.Bakos, B.A.Balazs, J.A.Ball, D.Basu, W.A.Baum, J.E.Beckman, R.F.Beebe, D.Benest, B.Berendzen, P.L.Bernacca, F.Biraud, R.C.Bless, S.C.Bowyer, P.B.Boyce, R.N.Bracewell, B.Campbell, J.B.Carlson, T.D.Carr, E.J.Chaisson, T.A.Clark, D.G.Currie, A.H.Delsemme, R.S.Dixon, G.S.Downs, F.J.Dyson, E.E.Epstein, N.J.Evans II, P.A.Feldman, G.B.Field, F.J.Firneis, M.G.Firneis, P.C.Fisher, M.Fracassini, L.W.Fredrick, M.Fujimoto, T.Gehrels, V.L.Ginzburg, F.Giovanelli, G.Godoli, D.W.Goldsmith, R.J.Gott III, C.Goudis, J.L.Greenstein, P.C.Gregory, S.Gulkis, J.E.Gunn, F.T.Haddock, B.M.Haisch, A.Hajduk, R.S.Harrington, M.H.Hart, D.S.Heeschen, J.Heidmann, G.H.Herbig, T.j.Herczeg, J.L.Hershey, J.-L.Heudier, H.Hirabayashi, J.M.Hollis, D.M.Hunten, J.H.Hunter, E.J.Hyson, G.M.Idlis, W.M.Irvine, R.Jastrow, S.Jeffers, R.C.Jennison, E.M.Jones, P.Kafka, P.Kaufmann, H.-U.Keller, K.I.Kellerman, M.J.Klein, S.H.Knowles, D.Kocer, D.Kotsakis, J.D.Krauss, L.V.Ksanfomaliti, T.B.H.Kuiper, A.D.Kuzmin, E.A.Lilley, S.L.Lippincott, L.O.Loden, Sir Bernard Lovell, P.Maffei, B.E.Markarian, M.Ya.Marov, T.Matsuda, L.N.Mavridis, H.A.McAlister, E.E.Mendoza, B.L.Milet, Y.K.Minn, I.F.Mirabel, M.Morimoto, V.I.Moroz, M.R.Morris, P.Morrison, M.Moutsoulas, N.Nakagawa, P.G.Niarchos, M.Oda, J.P.Ostriker, T.C.Owen, Yu.N.Parijskij, L.E.Pasinetti, L.Perek, J.B.Pollack, J.E.B.Ponsonby, F.V.Prochazka, E.Proverbio, H.Quintana, J.M.Quintana, R.T.Rood, M.Rowan-Robinson, R.H.Rubin, J.L.Russell, C.Sagan, K.Sakurai, R.Sancisi, J.D.Scargle, H.j.Schober, C.L.Seeger III, Chun-Shan Shen, M.Shimizu, I.S.Shklovsky, G.S.Shostak, W.L.H.Shuter, V.I.Slysh, Harlan J. Smith, H.A.Smith, L.E.Snyder, R.Stalio, V.Straiyzs, P.A.Sturrock, W.T.Sullivan III, J.C.Tarter, R.K.Tavakol, P.Thaddeus, C.R.Tolbert, H.M.Tovmassian, C.H.Townes, V.L.Trimble, E.L.Turner, A.Valbousquet, P. Van den Kamp, T.C. Van Flandern, D.A.Varshalovich, M.Vazquez, V.R.Venuqopal, S. Von Hoerner, M.K.Wallis, F.G.Watson, W.J.Welch, G.Westerhout, G.W.Wetherill, I.P.Williams, R.F.Willson, B.M.Zuckerman.

GROUPE DE TRAVAIL POUR LA NOMENCLATURE DU SYSTEME PLANETAIRE(WORKING GROUP FOR PLANETARY SYSTEM NOMENCLATURE)

PRESIDENT: H.Masursky

MEMBRES: K.Aksnes, G.E.Hunt, M.Ya.Marov, P.M.Millman, D.Morrison, T.C.Owen, V.V.Shevchenko, B.A.Smith, V.G.Teifel'.

TASK GROUPS:

1) Lunar Nomenclature:

V.V.Shevchenko (Chairman), A.Dollfus, F.El-Baz, H.Masursky, P.M.Millman, S.Runcorn, E.A.Whitaker.

2) Mercury Nomenclature:

D.Morrison (Chairman), D.B.Campbell, M.E.Davies, A.Dollfus, N.P.Erpylev, J.E.Guest.

3) Venus Nomenclature:

M.Ya.Marov (Chairman), A.T.Basilevsky, D.B.Campbell, R.M.Goldstein, R.F.Jurgens, H.Masursky, G.H.Pettengill.

4) Mars Nomenclature:

B.A.Smith (Chairman), A.Dollfus, M.Ya.Marov, D.Ya.Martynov, H.Masursky, S.Miyamoto, C.Sagan.

5) Outer Solar System Nomenclature:

T.C.Owen (Chairman), K.Aksnes, M.S.Bobrov, A.Brahic, M.E.Davies, N.P.Erpylev, H.Masursky, B.A.Smith, V.G.Teifel'.

## 2. ALPHABETICAL LIST OF MEMBERS

On 26 August 1982, the total number of individual members was about 5200.

Reprints of this list are available from the IAU Publisher,  
D. Reidel Publishing Company:

P.O. Box 17  
3300 AA Dordrecht  
Holland

- A\*HEARN MICHAEL F DR  
ASTRONOMY PROGRAM  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- AARSETH SVERRF J DR  
INST OF ASTRONOMY  
MADINGLEY RD  
CAMBRIDGE CB3 0HA  
U.K.
- ABBOTT WILLIAM N DR  
MICHALACOPOULOU 42  
ATHENS 612  
GREECE
- ABELL GEORGE O PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
CALIFORNIA  
LOS ANGELES CA 90024  
U.S.A.
- ABLES J G DR  
CSIRO  
DIV OF RADIOPHYSICS  
P C BOX 76  
EPPING NSW 2121  
AUSTRALIA
- ABRAHAM ZULEMA DR  
INST PESQ ESPACIAIS  
CRAAM RADIO OBS  
C P 515  
12200 S JOSE CAMPOS  
BRAZIL
- ABREU DE BRITO E J C DR  
OBSERVATORIO ASTRO-  
NOMICO DE LISBOA  
TAPADA  
LISBOA  
PORTUGAL
- ACKER AGNES DR  
OBSERVATOIRE  
11 RUE DE  
L'UNIVERSITE  
F-67000 STRASPOURG  
FRANCE
- ADAMS A N MR  
6549 N 35TH ROAD  
ARLINGTON VA 22213  
U.S.A.
- ADE PETER A R DR  
PHYSICS DEPT  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- ADELMAN SAUL J DR  
DEPT OF PHYSICS  
THE CITADEL  
CHARLESTON SC 29409  
U.S.A.
- AGEKJAN TATEOS A PROF  
UNIVERSITY OF  
LENINGRAD  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- AANESTAD PER ARNE DR  
PHYSICS DEPT  
ARIZONA STATE UNIV  
TEMPE AZ 85281  
U.S.A.
- ABALAKIN VICTOR K DR  
INSTITUTE FOR THEORE  
TICAL ASTRONOMY  
10 KUTUZOV QUAY  
192187 LENINGRAD  
U.S.S.R.
- ABDALA J DR  
AV SOLANO  
EDIFICIO ARAGUANEY  
PLANTA BAJA NO 1  
CHACAITO CARACAS 106  
VENEZUELA
- ABHYANKAR KRISHNA D PROF  
DEPT OF ASTRONOMY  
OSMANIA UNIVERSITY  
HYDERABAD 500 007  
INDIA
- ABOU-EL-ELLA MOHAMED S DR  
HELWAN OBSERVATORY  
HELWAN CAIRO  
ARAB REP. OF EGYPT
- ABRAMI ALBERTO PROF  
OSSERVATORIO ASTRONO  
MICO DI TRIESTE  
I-34131 TRIESTE  
ITALY
- ABT HELMUT A DR  
KITZ PEAK NATL OBS  
BOX 26732  
TUCSON AZ 85726  
U.S.A.
- ACTON LOREN W DR  
LOCKHEED PALO ALTO  
RESEARCH LAB  
3251 HANOVER ST  
PALO ALTO CA 94304  
U.S.A.
- ADAMS DAVID J DR  
ASTRONOMY DEPT  
THE UNIVERSITY  
LEICESTER LE1 7RH  
U.K.
- ADEL ARTHUR F PROF EMER  
NORTHERN ARIZONA  
UNIVERSITY  
BOX 5679  
FLAGSTAFF AZ 86001  
U.S.A.
- ADOLFSSON TORO DR  
KRAGEHOLMSGATAN 12  
S-216 19 MALMO  
SWEDEN
- AGRINIER BERNARD L MR  
C E N SACLAY  
9 P NO 2  
F-91190 GIF-YVETTE  
FRANCE
- AARONSON MARC  
STEWART OBSERVATORY  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- ABBASOV ALIK R DR  
SHEMAKHA ASTRO-  
PHYSICAL OBSERVATORY  
373243 SHEMAKHA AZER  
U.S.S.R.
- ABELE M K DR  
LATVIAN STATE UNIVER  
SITY ASTRONOMICAL  
OBSERVATORY  
226098 RIGA  
U.S.S.R.
- ABLES HAROLD D DR  
FLAGSTAFF STATION  
US NAVAL OBSERVATORY  
P O BOX 1149  
FLAGSTAFF AZ 86001  
U.S.A.
- ABRAHAM HENRY J M  
7 CASTLEREAGH  
CRESCENT  
MACQUARIE ACT 2614  
AUSTRALIA
- ABRAMOWICZ MAREK DR  
N COPERNICUS ASTRON  
CENTER  
BARTYCKA 13  
00-716 WARSAW  
POLAND
- ABU EL ATA NARIL DR  
BUREAU D LONGITUDES  
77 AVENUE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- ADAM MADGE G DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS RD  
OXFORD OX1 3RO  
U.K.
- ADAMS THOMAS F DR  
G-7 MS 329 LOS ALA-  
MOS SCIENTIFIC LAB  
P O BOX 1663  
LOS ALAMOS NM 87545  
U.S.A.
- ADEL SHARAF MOHAMED DR  
DEPT OF ASTRONOMY  
CAIRO UNIVERSITY  
CAIRO  
ARAB REP. OF EGYPT
- AFANASJEVA PRASKOVYA M DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- AGUERO ESTELA L DR  
OBS ASTRONOMIC  
LAPRIDA NO 854  
5000 CORDOBA  
ARGENTINA

- AHLUWALIA HARJIT SINGH DR  
DEPT PHYSICS ASTRON  
UNIV OF NEW MEXICO  
800 YALE BLVD N E  
ALBUQUERQUE NM 87131  
U.S.A.
- AIAD A Z DR  
CAIRO UNIVERSITY  
FACULTY OF SCIENCE  
ASTRONOMY DEPT  
GEZA ORMAN  
ARAB REP. OF EGYPT
- AIME C DR  
DEPT D\*ASTROPHYSIQUE  
UNIVERSITE DE NICE  
PARC VALROSE  
F-06034 NICE CEDEX  
FRANCE
- AIZU KO PROF  
PHYSICS DEPT  
RIKKYO UNIVERSITY  
NISHI-IKEBUKURO 3  
TOSHIMAKU TOKYO 171  
JAPAN
- AKCAYLI MELEK M A DR  
EGE UNIVERSITESI  
FEN FAKULTESI  
GOK BILIMLERI ENST  
BORNOVA IZMIR  
TURKEY
- AKYOL MUSTAFA U PROF  
EGE UNIVERSITY  
SCIENCE FACULTY  
DEPT OF ASTRONOMY  
BORNOVA IZMIR  
TURKEY
- ALANIJA I F DR  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.R.
- ALBRECHT RUDOLF DR  
INS F ASTRONOMIE  
UNIVERSITAET WIEN  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- ALECIAN GEORGES  
OBSERVATOIRE PARIS  
DEPT D\*ASTROPHYSIQUE  
FONDAMENTALE  
F-92190 MEUDON  
FRANCE
- ALFVEN HANNES PROF  
DEPT OF PLASMA  
PHYSICS  
ROYAL INST OF TECHN  
S-100 44 STOCKHOLM  
SWEDEN
- ALKSNIS ANDREJS DR  
RADIOASTROPHYSICAL  
OBSERVATORY  
226524 RIGA LATVIA  
U.S.S.R.
- ALLAN DAVID W DR  
NATIONAL BUREAU OF  
STANDARDS  
BOULDER CO 80302  
U.S.A.
- AHMED IMAM IBRAHIM  
HELWAN OBSERVATORY  
HELWAN NEAR CAIRO  
ARAB REP. OF EGYPT
- AIKAWA TOSHIKI DR  
ASTRONOMICAL INST  
TOHOKU UNIVERSITY  
AOBAYAMA SENDAI  
JAPAN
- AITKEN DAVID K DR  
DEPT PHYS AND ASTRO  
UNIV COLLEGE LONDON  
GOWER STREET  
LONDON WC1E 6BT  
U.K.
- AKABANE KENJI A PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- AKSENOV E P DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- AL-NAIMY HAMID M K DR  
ASTRONOMY & SPACE  
RES CTR JADIRIYA  
P O BOX 255  
BAGHDAD  
REP. OF IRAQ
- ALBANO J DR  
OBS ASTRONOMIC  
LA PLATA  
ARGENTINA
- ALDROVANDI RUBEN DR  
INSTITUTO DI FISICA  
TEORICA  
RUA PAMPLONA 145  
01405 SAO PAULO SP  
BRAZIL
- ALEXANDER JOHN B  
ROYAL GREENWICH OBS  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- ALISSANDRAKIS C PH D  
LAB OF ASTROPHYSICS  
UNIV OF ATHENS  
PANEPISTIMTODOLIS  
ATHENS 621  
GREECE
- ALLADIN SALEH MOHAMED DR  
DEPT OF ASTRONOMY  
OSMANIA UNIVERSITY  
HYDERABAD 500 007  
INDIA
- ALLEGRE CLAUDE PROF  
INST DE PHYSIQUE DU  
GLOBE  
4 PLACE JUSSIEU  
F-75005 PARIS  
FRANCE
- AHNERT P DR  
CENTRAL INST FUER  
ASTROPHYSIK  
STERNWARTEN SONNEBERG  
DDR-64 SONNEBERG  
G.D.R.
- AIKMAN G CHRIS L DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- AIZENMAN MORRIS L DR  
DIV ASTRONOMICAL SC  
NAT SC FOUNDATION  
RM 615 1800 G ST NW  
WASHINGTON DC 20550  
U.S.A.
- AKABANE TOKUHIDE DR  
HIDA OBSERVATORY  
506-13 KAMITAKARA  
GIFU  
JAPAN
- AKSNES KAARE DR.  
NORWEGIAN DEFENCE  
RESEARCH ESTABLISHM  
P O BOX 25  
2007 KJELLER  
NORWAY
- AL-SARTI ABDUL ADIM DR  
PHYSICS DEPT  
SCIENCE COLLEGE  
BAGHDAD UNIVERSITY  
BAGHDAD  
REP. OF IRAQ
- ALBERS HENRY PROF  
VASSAR COLLEGE  
OBSERVATORY  
POUGHKEEPSIE NY12601  
U.S.A.
- ALDROVANDI SUELI M V DR  
INSTITUTO ASTRONOMI  
CO E GEOFISICO  
CP 30627  
01000 SAO PAULO SP  
BRAZIL
- ALEXANDER JOSEPH K  
CODE 693  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.
- ALKSNE ZENTA DR  
RADIOASTROPHYSICAL  
OBSERVATORY  
TURGENEVA 19  
226524 RIGA LATVIA  
U.S.S.R.
- ALLAMANDOLA LOUIS JOHN DR  
STEPREWACHT  
HUYGENS LAB  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- ALLEN C W PROF  
MT STROMLO  
OBSERVATORY  
WODEN PO ACT 2606  
AUSTRALIA



ALLEN CHRISTINE  
INSTITUTO DE ASTRON  
MIA UNAM  
APCO POSTAL 70-264  
C4510 MEXICO DF  
MEXICO

ALLER HUGH D DR  
DEPT OF ASTRONOMY  
UNIVERSITY MICHIGAN  
953 PHYS-ASTRO BLDG  
ANN ARBOR MI 48109  
U.S.A.

ALLOIN DANIELLE DR  
DAPHE  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

ALTAVISTA CARLOS A DR  
CBS ASTRONOMIC  
PASEO DEL BOSQUE  
1900 LA PLATA  
ARGENTINA

ALTSCHULER MARTIN D PROF  
DEPT RAD THER/BX 522  
HOSP UNIV OF PENNA  
3400 SPRUCE ST  
PHILADELPHIA PA19104  
U.S.A.

ALVAREZ LUIS DR  
LAWRENCE RADIATION  
LABORATORY  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.

AMBARTSUMIAN V A PROF DR  
BYURAKAN ASTROPHYSI  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.

ANANTHAKRISHNAN S  
RADIOASTRONOMY CTR  
TATA INSTITIJE OF  
FUNDAMENTAL RESEARCH  
OOTACAMUND 643 001  
INDIA

ANDERSEN TORBEN BRENDER  
COPENHAGEN UNIV  
OBSERVATORY  
OESTER VOLDGADE 3  
DK-1350 COPENHAGEN K  
DENMARK

ANDERSON KINSEY A PROF  
SPACE SCIENCES LAB  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.

ANDREW KENNETH L PROF  
DEPT OF PHYSICS  
PURDUE UNIVERSITY  
W LAFAYETTE IN 47907  
U.S.A.

ANDREWS PETER J DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

ALLEN DAVID A DR  
ANGLO AUSTRALIAN  
OBSERVATORY  
PO BOX 296  
EPPING NSW 2121  
AUSTRALIA

ALLER LAWRENCE HUGH  
ASTRONOMY DEPT  
UNIVERSITY OF CALIF  
MATH-SCIENCES BLDG  
LOS ANGELES CA 90024  
U.S.A.

ALMAR IVAN DR  
SATELLITE GEODETIC  
OBSERVATORY  
POB 546  
1373 BUDAPEST  
HUNGARY

ALTENHOFF WILHELM J DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

ALURKAR S K DR  
PHYSICAL RES LAB  
NAVRANGPURA  
AHMEDABAD 380 009  
INDIA

ALVAREZ P  
INSTITUTO ASTROFISI-  
CA CANARIAS  
UNIVERSIDAD LAGUNA  
TENERIFE CANARIAS  
SPAIN

AMBROZ PAVEL DR  
ASTRONOMICAL INST OF  
THE CZECHOSLOVAK  
ACADEMY OF SCIENCES  
25165 ONDREJOV  
CZECHOSLOVAKIA

ANDERS EDWARD PROF  
UNIVERSITY OF  
CHICAGO  
5640 S ELLIS AVE  
CHICAGO IL 60637  
U.S.A.

ANDERSON BRYAN DR  
UNIV OF MANCHESTER  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.

ANDO HIROYASU DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA 2-21-1 MITAKA  
TOKYO 181  
JAPAN

ANDREWS DAVID A DR  
ARMAGH OBSERVATORY  
ARMAGH BT61 9DG  
U.K.

ANDRIENKO DMITRY A DR  
VLADIMIRSKAYA 51 53  
FLAT 75  
252003 KIEV  
U.S.S.R.

ALLEN RONALD J DR  
KAPTEYN LABORATORY  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS

ALLER MARGO F DR  
ASTRONOMY DEPT  
UNIVERSITY MICHIGAN  
ANN ARBOR MI 48109  
U.S.A.

ALTAMORE ALDO  
OSS ASTRONOMIC  
VIALE DEL PARCO  
MELLINI 84  
I-00136 ROMA  
ITALY

ALTRUCK RICHARD C DR  
AIR FORCE GEOPHYSICS  
LABORATORY  
SACRAMENTO PEAK OBS  
SUNSPOT NM 88349  
U.S.A.

ALVAREZ HECTOR DR.  
DEPTO DE ASTRONOMIA  
UNIVERSIDAD DE CHILE  
CASILLA 36-D  
SANTIAGO  
CHILE

ALY M K PROF DIRECTOR  
RABITATUL AALAM AL-  
ISLAMI  
ISLAMIC OBSERVATORY  
MECCA ALMUKARRAMA  
SAUDI ARABIA

ANAND S P S DR  
APPLIED RESEARCH AND  
SYSTEMS  
1998 GENERALS HWY  
ANNAPOLIS MD 21401  
U.S.A.

ANDERSEN JOHANNES LEKTOR  
BRORFELDE OBS  
COPENHAGEN UNIV  
DK-4340 TOLLOSE  
DENMARK

ANDERSON CHRISTOPHER M DR  
WASHBURN OBSERVATORY  
UNIVERSITY OF  
WISCONSIN  
MADISON WI 53706  
U.S.A.

ANDREW BRYAN H DR  
HERZBERG INST OF  
ASTROPHYSICS  
NAT RES COUNCIL  
OTTAWA ONT KIA 0R6  
CANADA

ANDREWS DONALD H  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA

ANDRIESSE CORNELIS D DR  
VALERIUSLAAN 15  
6865 JA DOORWERTH  
THE NETHERLANDS

ANDRILLAT HENRI L PROF  
LAB D'ASTRONOMIE  
UNIV DES SCIENCES ET  
TECHN DU LANGUEDOC  
F-34060 MONTPELLIER  
FRANCE

ANGEL J ROGER P PROF  
STEWART OBSERVATORY  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.

ANGIONE RONALD J DR  
ASTRONOMY DEPT  
SAN DIEGO STATE  
UNIVERSITY  
SAN DIEGO CA 92182  
U.S.A.

ANSARI S M RAZAULLAH DR  
PHYSICS DEPT  
ALIGARH MUSLIM  
UNIVERSITY  
ALIGARH UP 202001  
INDIA

ANTONACOPOULOS GREG PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF PATRAS  
PATRAS  
GREECE

ANTONOV V A DR  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.

AOKI SHINKO PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
MITAKA  
TOKYO 181  
JAPAN

ARABELOS D DR  
DEPT OF GEODETIC  
ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE

ARDAVAN H DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE  
U.K.

ARGUE A NOEL MR  
INST OF ASTRONOMY  
THE OBSERVATORIES  
MADINGLEY RD  
CAMBRIDGE CB3 0HA  
U.K.

ARIAS DE GREIF JORGE PROF  
OBSERVATORIO  
NACIONAL  
APARTADO 2584  
BOGOTA  
COLOMBIA

ARLOT JEAN-EUDES  
BUREAU LONGITUDES  
77 AVENUE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE

ANDRILLAT YVETTE DR  
OBSERVATOIRE  
DE HAUTE-PROVENCE  
ST-MICHEL L OBS  
F-04300 FORCALQUIER  
FRANCE

ANGELETTI LUCIO DR  
OSSERVATORIO ASTRO-  
NOMICO DI ROMA  
I-00100 ROMA  
ITALY

ANGUITA C A DR  
UNIVERSIDAD DE CHILE  
OBS ASTRON NACIONAL  
CASILLA 36-D  
SANTIAGO  
CHILE

ANTALOVA ANNA  
ASTRONOMICAL INST  
SLOVAK ACADEMY OF SC  
05960 TATRANSKA  
LOMNICA  
CZECHOSLOVAKIA

ANTONELLO ELIO  
OSS ASTRONOMICO  
DI MERATE  
VIA BIANCHI 46  
I-22055 MERATE  
ITALY

ANTONUCCI ESTER DR  
ISTITUTO DI FISICA  
UNIVERSITA DI TORINO  
C D AZEGLIO 46  
I-10125 TORINO  
ITALY

APPARAO K M V DR  
TATA INST FUND RES  
HOMI BHABH ROAD  
BOMBAY 400 005  
INDIA

ARAI KENZO DR  
DEPT OF PHYSICS  
KUMAMOTO UNIVERSITY  
KUMAMOTO 860  
JAPAN

ARDEBERG ARNE L DR  
ESO  
K-SCHWARZSCHILD-ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.

ARGYLE P E DR  
DOMINION RADIO  
ASTROPHYSICAL OBS  
BOX 248  
PENTICTON BC V2A 6K3  
CANADA

ARIMOTO NOBUO DR  
ASTRONOMICAL INST  
TOHOKU UNIVERSITY  
SENDAI 980  
JAPAN

ARNAL MARCELO EDMUNDO DR  
INSTITUTO ARGENTINO  
DE RADIOASTRONOMIA  
CASILLA DE CORREO 5  
1894-VILLA ELISA  
ARGENTINA

ANDRLE P DR  
ASTRONOMICAL INST  
CZECH ACAD OF SC  
BUDECKSKA 6  
12023 PRAHA 2  
CZECHOSLOVAKIA

ANGELOV TRAJKO  
INST OF ASTRONOMY  
UNIV OF BELGRADE  
STUDENTSKI TRG 16  
YU-11000 BELGRADE  
YUGOSLAVIA

ANILE ANGELO M  
OSSERVATORIO  
ASTROFISICO  
CITTA UNIVERSITARIA  
I-95123 CATANIA  
ITALY

ANTIOCHOS SPIRO KOSTA  
INST FOR PLASMA RES  
ERL 262  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.

ANTONOPOULOU E DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 621  
GREECE

ANZER ULRICH DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 6  
GERMANY, F.R.

APPENZELLER IMMO PROF  
LANDESSTERNWARTE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

ARAKELIAN MARAT A DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 BYURAKAN  
ARMENIA  
U.S.S.R.

AREND S DR  
AVENUE DE SATURNE 11  
B-1180 BRUXELLES  
BELGIUM

ARGYRAKOS JEAN PROF DR  
UNIV TECHNIQUE  
NATIONALE D'ATHENES  
193 PATISSION ST  
ATHENS 816  
GREECE

ARKHIPOVA V P DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.

ARNETT W DAVID PROF  
ENRICO FERMI INST  
933 E 56TH STREET  
CHICAGO IL 60637  
U.S.A.

- ARNOULD MARCEL L DR  
INST D\*ASTRONOMIE  
UNIV LIB BRUXELLES  
AVE F D ROOSEVELT 50  
B-1050 BRUXELLES  
BELGIUM
- ARONS JONATHAN  
DEPT OF ASTRONOMY  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.
- ARSENJEVIC JELISAVETA  
ASTRONOMICAL OBS  
VOLGINA 7  
YU-11050 BEOGRAD  
YUGOSLAVIA
- ARTZNER GUY  
LPSP  
B P 10  
F-91370 VERRIERES-  
LE-BUISSON  
FRANCE
- ASLAN ZEKI DR  
ASTRONOMY DEPT  
UNIV OF ANKARA  
FEN FAKULTESI  
ANKARA  
TURKEY
- ASSOUSA GEORGE ELIAS DR  
DEPT TERR MAGNETISM  
CARNEGIE INST WASH  
5241 BRADDOCK RD N W  
WASHINGTON DC 20015  
U.S.A.
- ATHANASSOULA E O DR  
OBSERVATOIRE  
DE BESANCON  
41B AVE OBSERVATOIRE  
F-25000 BESANCON  
FRANCE
- ATKINSON ROBERT D E DR  
SWAIN HALL WEST 319  
ASTRONOMY DEPT  
INDIANA UNIVERSITY  
BLOOMINGTON IN 47401  
U.S.A.
- AUER LAWRENCE H DR  
HIGH ALTITUDE  
OBSERVATORY  
P O BOX 1470  
BOULDER CO 80302  
U.S.A.
- AUNER GERHARD DR  
INST FUER ASTRONOMIE  
UNIVERSITAETSSTR 4  
A-6020 INNSBRUCK  
AUSTRIA
- AVERY LORNE W DR  
HERZBERG INST OF  
ASTROPHYSICS  
NAT RES COUNCIL CANADA  
OTTAWA ONT K1A 0R6  
CANADA
- AVRETT EUGENE H DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- ARNQUIST WARREN N DR  
8127 DELGANY AVE  
PLAYA DEL REY  
CA 90291  
U.S.A.
- ARP HALTON DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.
- ARTHUR DAVID W G  
US GEOLOGICAL SURVEY  
FLAGSTAFF ARIZONA  
FLAGSTAFF AZ 86001  
U.S.A.
- ASAAD ADLY S PROF  
OBSERVATORY OF  
HELWAN  
HELWAN  
ARAB REP. OF EGYPT
- ASLANOV I A DR  
SHEMAKHA ASTROPHYSI-  
CAL OBSERVATORY  
373243 AZERBAIDZAN  
U.S.S.R.
- ASTERIADIS GEORGIOS DR  
DEPT OF GEODETIC  
ASTRONOMY  
UNIV THESSALONIKI  
THESSALONIKI  
GREECE
- ATHAY R GRANT DR  
HIGH ALTITUDE  
OBSERVATORY  
P O BOX 1470  
BOULDER CO 80302  
U.S.A.
- AUBIER MONIQUE G DR  
OBSERVATOIRE DE  
MEUDON  
F-92190 MEUDON  
FRANCE
- AULUCK F C PROF  
DEPT OF PHYSICS AND  
ASTROPHYSICS  
UNIVERSITY OF DELHI  
DELHI 110007  
INDIA
- AURIEMMA GIULIO DR  
CNR ASTROFISICO  
SPAZIALE C P 67  
I-00044 FRASCATI  
ROMA  
ITALY
- AVIGNON YVETTE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- AWAD MERVAT EL-SAID DR  
ASTRONOMY DEPT  
FACULTY OF SCIENCE  
CAIRO UNIVERSITY  
CAIRO  
ARAB REP. OF EGYPT
- ARNY THOMAS T DR  
DEPT PHYSICS ASTR  
UNIVERSITY OF MA  
GRC TOWER B  
AMHERST MA 01002  
U.S.A.
- ARPIGNY CLAUDE PROF  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
B-4200 CUNTE OUGREE  
BELGIUM
- ARTRU M C DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- ASCHENBACH BERND PH D  
HEITERWANGERSTR 54  
D-8000 MUENCHEN 70  
GERMANY, F.R.
- ASSEO ESTELLE DR  
OBSERVATOIRE DE  
MEUDON DAF  
F-92190 MEUDON  
FRANCE
- ATANASIJEVIC IVAN DR  
FACULTY OF SCIENCES  
6500 GL NIJMEGEN  
THE NETHERLANDS
- ATHERTON PAUL DAVID  
ASTRONOMY GROUP  
BLACKETT LABORATORY  
IMPERIAL COLLEGE  
LONDON SW7  
U.K.
- AUDOUBE JEAN DR  
INST D\*ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- AUMAN JASON R PROF  
DEPT OF GEOPHYSICS  
AND ASTRONOMY  
UNIVERSITY OF BC  
VANCOUVER BC V6T 1W5  
CANADA
- AUVERGNE MICHEL  
OBS DE NICE  
B.P. 252  
F-06007 NICE CEDEX  
FRANCE
- AVNI YORAM DR  
WEIZMANN INSTITUTE  
REHOVOT  
ISRAEL
- AWADALLA NABIL SHOUKRY  
HELWAN OBSERVATORY  
HELWAN NEAR CAIRO  
ARAB REP. OF EGYPT

AXFORD W IAN PROF  
MPI FUER AERONOMIE  
POSTFACH 20  
D-3411 KATLENBURG-  
LINDAU 3  
GERMANY, F.R.

BAAN WILLEM A  
DEPT OF ASTRONOMY  
525 DAVEY LABORATORY  
PENNSYLVANIA S J  
UNIV PARK PA 16802  
U.S.A.

BAATH LARS B DR  
PL 8481  
S-439 00 ONSALA  
SWEDEN

BABCOCK HORRACE W DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.

BAECK NICOLE A L DR  
195 E-3 PLEIN  
B-9218 LEDEBERG  
BELGIUM

BAGHOS BALESH B DR  
HELWAN OBSERVATORY  
HELWAN CAIRO  
ARAB REP. OF EGYPT

BAGRI DURGADAS S  
RADIOASTRONOMY CTR  
TATA INSTITUTE OF  
FUNDAMENTAL RESEARCH  
OOTACAMUND 643 001  
INDIA

BAHNG JOHN D R PROF  
DEARBORN OBSERVATORY  
NORTHWESTERN  
UNIVERSITY  
EVANSTON IL 60201  
U.S.A.

BAIRD KENNETH M DR  
DIVISION OF PHYSICS  
NAT RES COUNC CANADA  
MONTREAL ROAD  
OTTAWA ONT K1A 0R6  
CANADA

BAKER JAMES GILBERT DR  
14 FRENCH DRIVE  
BEDFORD NH 03102  
U.S.A.

BALAZS BELA A DR  
DEPT OF ASTRONOMY  
EOTVOS UNIVERSITY  
KUN BELA TER 2  
H-1083 BUDAPEST  
HUNGARY

BALDWIN JACK A DR  
CERRO TOLLOD  
INTERAMERICAN OBS  
CASILLA 603  
LA SERENA  
CHILE

AYDIN CEMAL ASSOC PROF  
AU FEN FAKULTESI  
ASTRONOMI BOLUMU  
BESEVLER ANKARA  
TURKEY

BAARS JAAP W M DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

BABADZHANIANC MICHAEL DR  
ASTRONOMICAL OBS  
LENINGRAD UNIVERSITY  
LENINGRAD  
U.S.S.R.

BACCHUS PIERRE PROF  
1 IMPASSE DE  
L-OBSERVATOIRE  
F-59000 LILLE  
FRANCE

BAERENTZEN JORN  
ELMEHOJVEJ 66  
DK-8270 HOJBJERG  
DENMARK

BAGILDINSKIY BRONISLAV  
K DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

BAHCALL JOHN N PROF  
INSTITUTE FOR  
ADVANCED STUDY  
PRINCETON NJ 08540  
U.S.A.

BAILEY MARK EDWARD  
ASTRONOMY CTR  
UNIV OF SUSSEX  
FALMER  
BRIGHTON BN1 6JQ  
U.K.

BAIZE PAUL DR  
6 RUE DAUBIGNY  
F-75017 PARIS  
FRANCE

BAKER NORMAN H PROF  
ASTRONOMY DEPT  
COLUMBIA UNIVERSITY  
PUPIN HALL 538 W 120  
NEW YORK N Y 10027  
U.S.A.

BALAZS LAJOS G DR  
KONKOLY OBSERVATORY  
BOX 67  
H-1525 BUDAPEST  
HUNGARY

BALDWIN JOHN E DR  
CAVENDISH LABORATORY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.

AZZOPARDI M MR  
OBS DE TOULOUSE  
1 AV C FLAMMARION  
F-31510 TOULOUSE  
FRANCE

BAART EDWARD E PROF  
DEPT OF PHYSICS  
RHODES UNIVERSITY  
P O BOX 94  
GRAHAMSTOWN 6140  
SOUTH AFRICA

BABADZHANOV P B DR  
ASTROPHYSICAL INSTI-  
TUTE OF TADJIKIAN  
ACADEMY OF SCIENCES  
734670 DUSHANBE  
U.S.S.R.

BACKER DONALD CH DR  
601 CAMPBELL HALL  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.

BAGGALEY WILLIAM JACK DR  
PHYSICS DEPT  
UNIV OF CANTERBURY  
CHRISTCHURCH  
NEW ZEALAND

BAGLIN ANNIE DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE

BAHNER KLAUS DR  
LANDESSTERNWARTE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

BAIRD GEORGE A DR  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND

BAJAJA E DR  
INSTITUTO ARGENTINO  
DE RADIOASTRONOMIA  
CASILLA NO 5  
VILLA ELISA PR BS AS  
ARGENTINA

BAKOS GUSTAV A PROF  
DEPT OF PHYSICS  
UNIVERSITY WATERLOO  
WATERLOO ONT N2L 3G1  
CANADA

BALDINELLI LUIGI DR  
VIA MONTEBELLO 4  
I-40141 BOLOGNA  
ITALY

BALDWIN RALPH B  
6190 GATEHOUSE DR SE  
GRAND RAPIDS MI 49506  
U.S.A.

BALICK BRUCE PROF  
ASTRONOMY DEPT FM-20  
UNIV OF WASHINGTON  
SEATTLE WA 98195  
U.S.A.

BALLARID M C PROF  
OSSERVATORIO ASTRONO  
MICO DI ARCETRI  
VIA S LEONARDO  
I-50100 FIRENZE  
ITALY

BALONA LUIS ANTERO DR  
S A ASTRON OBS  
P O BOX 9  
OBSERVATORY 7935  
CAPE  
SOUTH AFRICA

BANIA THOMAS MICHAEL  
DEPT OF ASTRONOMY  
BOSTON UNIVERSITY  
725 COMMONWEALTH AVE  
BOSTON MA 02215  
U.S.A.

BANOS GEORGE J PROF  
UNIVERSITY OF  
IOANNINA  
ASTRONOMY DEPT  
IOANNINA  
GREECE

BARBANIS BASIL PROF  
DEPT OF ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE

BARBIERI CESARE PROF  
INST DI ASTRONOMIA  
UNIVERSITA DI PADOVA  
I-35100 PADOVA  
ITALY

BARDEEN JAMES M PROF  
PHYSICS DEPT FM-15  
UNIVERSITY OF  
WASHINGTON  
SEATTLE WA 98195  
U.S.A.

BARKER EDWIN S DR  
ASTRONOMY DEPT  
RLM 15 220  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.

BARLETTI RAFFAELE ENG  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

BARNARD HANNES A J DR  
PHYSICS DEPT  
UNIVERSITY OF B C  
2075 WESBROOK MALL  
VANCOUVER V6T 1W6  
CANADA

BARNOTHY JENO DR PROF  
833 LINCOLN ST  
EVANSTON IL 60201  
U.S.A.

BALKLAUS A E DR  
RADIOASTROPHYSICAL  
OBSERVATORY LATVIAN  
ACADEMY OF SCIENCES  
226026 RIGA  
U.S.S.R.

BALLI EDIBE PROF  
UNIVERSITE  
RASATHANESI  
ISTANBUL  
TURKEY

BANDERMANN L W DR  
21131 GRENOLA DRIVE  
CUPERTINO CA 95014  
U.S.A.

BANIN V G DR  
SIBIZMIR  
P B 4  
664697 IRKUTSK 33  
U.S.S.R.

BARANNE A DR  
OBSERVATOIRE  
DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE

BARBARO G DR  
OSSERVATORIO ASTRON  
VICOLO DELL  
OSSERVATORIO  
PADOVA  
ITALY

BARBON ROBERTJ PROF  
OSSERVATORIO  
ASTROFISICO  
I-36012 ASIAGO VI  
ITALY

BARKAT ZALMAN PROF  
THEORETICAL PHYSICS  
HEBREW UNIVERSITY  
JERUSALEM  
ISRAEL

BARKHATOVA KLAUDIA PROF  
STATE UNIVERSITY  
LENIN ST  
620083 SVERDLOVSK  
U.S.S.R.

BARLIER FRANCOIS E DR  
CERGA  
AV COPERNIC  
F-06130 GRASSE  
FRANCE

BARNES AARON DR  
NASA AMES RES CTR  
CODE 245-3  
MOFFETT FLD CA 94035  
U.S.A.

BAROCAS VINICIO DR  
JEREMIAH HORROCKS  
AND WILFRED HALL OBS  
MOOR PARK  
PRESTON PRI 6AD  
U.K.

BALL JOHN A DR  
HARVARD COLLEGE  
OBSERVATORY  
HARVARD MA 01451  
U.S.A.

BALMINO GEORGES G DR  
CTR NAT D'ETUDES SPA  
GROUP RECH GEOD SPAT  
18 AVE EDOUARD BELIN  
F-31400 TOULOUSE  
FRANCE

BANDYOPADHYAY A DR  
INDIA METEO DEPT  
INDIAN ASTRON EPH UN  
P546 BK N NW ALIPDRE  
CALCUTTA 700 053  
INDIA

BANOS COSMAS J DR  
OBSERVATOIRE NATIO-  
NAL D ATHENES  
ATHENS 306  
GREECE

BARATTA G B DR  
OSSERVATORIO ASTRO-  
NOMICO DI ROMA  
I-00100 ROMA  
ITALY

BARBIER MADELINE AST ADJ  
OBSERVATOIRE  
DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE

BARCZA SZABOLCS DR  
KONKOLY OBSERVATORY  
P O BOX 67  
H-1525 BUDAPEST  
HUNGARY

BARKER BRUCE MICHAEL  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIV OF ALABAMA  
UNIVERSITY AL 35486  
U.S.A.

BARLAT KATALIN DR  
KONKOLY OBSERVATORY  
BOX 67  
H-1525 BUDAPEST  
HUNGARY

BARLOW MICHAEL J DR  
DEPT PHYSICS/ASTRON  
UNIV COLLEGE LONDON  
GOWER STREET  
LONDON WC1E 6BT  
U.K.

BARNES III THOMAS G DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.

BARRETO LUIZ MUNIZ PROF  
OBSERVATORIO  
NACIONAL  
RUA GEN BRUCE 586  
20000 RIO DE JANEIRO  
BRAZIL

BARRETT ALAN H PROF  
ROOM 26-331  
MASSACHUSETT INST  
OF TECHNOLOGY  
CAMBRIDGE MA 02139  
U.S.A.

BARROW RICHARD F DR  
PHYSICAL CHEMISTRY  
LABORATORY  
SOUTH PARKS RD  
OXFORD OX1 3QZ  
U.K.

BARTEL NORBERT HARALD DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

BARTOLINI CORPADO  
OSSERVATORIO  
ASTRONOMICO  
VIA ZAMBONI 33  
I-40126 BOLOGNA  
ITALY

BASH FRANK N PROF  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.

BASU BAIDYANATH READER  
APPLIED MATHEMATICS  
DEPARTMENT C U  
92 A P C ROAD  
CALCUTTA-700039  
INDIA

BATES DAVID R PROF  
DEPT OF APPLIED MATH  
AND THEORETICAL PHYS  
QUEENS UNIVERSITY  
BELFAST BT7 1NN  
U.K.

BATESON FRANK M ORE  
P O BOX 3093  
GREERTON TAURANGA  
NEW ZEALAND

BATTANER EDUARDO DR  
INSTITUTO DE ASTROFI  
SICA DE ANDALUCIA  
APDO 2144  
GRANADA  
SPAIN

BAUD BOUDEFWIJN DR  
KAPTEYN LABORATORIUM  
HOOGBOUW WSN  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS

BAUM WILLIAM A DR  
LOWELL OBSERVATORY  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.

BAYM GORDON ALAN DR  
DEPT OF PHYSICS  
UNIV OF ILLINOIS  
URBANA IL 61801  
U.S.A.

BARROW COLIN H DR  
SWISS FED INST TECHN  
RADIO ASTRONOMY GR  
HOCHSTRASSE 58  
CH-8044 ZUERICH  
SWITZERLAND

BARRY DON C DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
SOUTHERN CALIFORNIA  
LOS ANGELES CA 90007  
U.S.A.

BARTH CHARLES A PROF  
LASP UNIVERSITY  
OF COLORADO  
BOULDER CO 80309  
U.S.A.

BASART JOHN P  
COOVER HALL  
IOWA STATE UNIV  
AMES IA 50011  
U.S.A.

BASTIEN PIERRE DR  
ASTRON INSTITUT  
STERNWART  
AUF DEM HUEGEL 71  
D-5300 BONN I  
GERMANY, F.R.

BASU DIPAK DR  
DEPT OF PHYSICS  
UNIVERSITY OF THE  
WEST INDIES  
ST AUGUSTINE  
TRINIDAD AND TOBAGO

BATES J RAPHAEL  
METEOROLOGICAL  
SERVICE  
GLASNEVIN HILL  
DUBLIN 9  
IRELAND

BATH GEOFFREY T DR  
DEPT OF ASTROPHYSICS  
UNIVERSITY OF OXFORD  
OXFORD OX1 3RQ  
U.K.

BATTEN ALAN H DR  
HERZBERG INST ASTRO  
DOMINION ASTRO OBS  
5071 W SAANICH RD  
VICTORIA BC V8X 4M6  
CANADA

BAUDRY ALAIN DR  
OBSERVATOIRE  
DE BORDEAUX  
F-33270 FLOIRAC  
FRANCE

BAUSTIAN W W MR  
KITT PEAK NAT OBS  
950 N CHERRY AVE  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.

BEALE JOHN S DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

BARROW JOHN DAVID  
ASTRONOMY CENTRE  
UNIVERSITY OF SUSSEX  
FALMER  
BRIGHTON BN1 9QH  
U.K.

BARTAYA R A DR  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.R.

BARTHOLZI PAUL DR  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND

BASCHEK BODO PROF  
INST F THEORETISCHE  
ASTROPHYSIK  
IM NEUENHEIMER F 294  
D-6900 HEIDELBERG  
GERMANY, F.R.

BASTIN J A PROF  
PHYSICS DEPT  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.

BATES BRIAN DR  
DEPT OF PURE AND  
APPLIED PHYSICS  
QUEENS UNIVERSITY  
BELFAST BT7 1NN  
U.K.

BATES RICHARD HEATON T DR  
ELECTRICAL ENG DEPT  
UNIV OF CANTERBURY  
CHRISTCHURCH  
NEW ZEALAND

BATRAKOV J M DR  
INSTITUTE OF THEORE-  
TICAL ASTRONOMY  
192187 LENINGRAD  
U.S.S.R.

BATTISTINI PIERLUIGI DR  
OSSERVATORIO  
ASTRONOMICO  
VIA ZAMBONI 33  
I-40126 BOLOGNA  
ITALY

BAUER CARL A DR  
506 DAVEY  
PENNA STATE UNIV  
UNIV PK PA 16802  
U.S.A.

BAUTZ LAURA P DR  
1325 18TH ST NW  
APT 506  
WASHINGTON DC 20036  
U.S.A.

BEARD DAVID B DR  
DEPT PHYSICS ASTRON  
UNIV OF KANSAS  
LAWRENCE KS 66045  
U.S.A.

- BEARDSLEY WALLACE R DR  
DEPT PHYS AND ASTRON  
UNIV OF PITTSBURGH  
ALLEGHENY OBS B 7658  
PITTSBURGH PA 15214  
U.S.A.
- BEC-BORSENBERGER ANNICKDR  
BUREAU LONGITUDES  
77 AVE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- BECKER ROBERT A DR  
P O BOX 4609  
CARMEL CA 93921  
U.S.A.
- BECKERS JACQUES M DR  
MULTIPLE MIRROR  
TELESCOPE OBS  
UNIV OF ARIZONA  
TUCSON AZ 85718  
U.S.A.
- BECKWITH S V W  
DEPT OF ASTRONOMY  
SPACE SCIENCES BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- BEGELMAN MITCHELL CRAIG  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- BEINTEMA JOUWE A DR  
SPACE RESEARCH DEPT  
UNIV OF GRONINGEN  
P O BOX 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- BELIAYEV NIKOLAJ A DR  
INST FOR THEORETICAL  
ASTRONOMY  
10 KUTUZOV QUAY  
192187 LENINGRAD  
U.S.S.R.
- BELL KENNETH LLOYD DR  
DEPT OF APPLIED MATH  
AND THEORET PHYSICS  
QUEEN'S UNIVERSITY  
BELFAST BT7 1NN  
U.K.
- BELTSEKOVSKIY  
DAVID J DR  
GOSSTANDART USSR  
LENINSKY PROSPECT 9  
117049 MOSCOW  
U.S.S.R.
- BELVEDERE GAETANO DR  
IST DI ASTRONMIA  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY
- BEM J DR  
OBSERVATORIUM ASTR  
UL KOPERNIKA 11  
51-622 WROCLAW  
POLAND
- BEAUDET GILLES DR  
DEPT DE PHYSIQUE  
UNIV DE MONTREAL  
CP 6128  
MONTREAL PQ H3C 3J7  
CANADA
- BECK H G  
VEB CARL ZEISS  
FORSCHUNGSZENTRUM  
CARL ZEISS STR 1  
DDR 69 JENA  
G.D.R.
- BECKER ROBERT HOWARD  
PHYSICS DEPT  
VIRGINIA POLYTECHNIC  
INST & STATE UNIV  
BLACKSBURG VA 24061  
U.S.A.
- BECKLIN ERIC E DR  
INST FOR ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.
- BEEBE RETA FAYE DR  
NEW MEXICO ST UNIV  
DEPT OF ASTRONOMY  
BOX 4500  
LAS CRUCES NM 88003  
U.S.A.
- BEGGS DENIS W MR  
INSTITUTE OF  
ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- BEKENSTEIN JACOB D DR  
PHYSICS DEPT  
BEN GURION UNIV  
P O B 653  
BEERSHEVA  
ISRAEL
- BELKOVICH O I DR  
ENGELHARDT ASTRONMI  
CAL OBSERVATORY  
422526 KAZAN  
U.S.S.R.
- BELL MORLEY B  
HERZBERG INST OF  
ASTROPHYSICS  
NAT RES COUNCIL  
OTTAWA ONT K1A 0R6  
CANADA
- BELSERENE EMILIA P  
HARVARD CLG OBS  
C/O PLATE STACKS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- BELY OLEG DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- BENACCHIO LEOPOLDO  
OSS ASTRONOMIC  
VICOLO DELL  
OSSERVATORIO 5  
PADOVA  
ITALY
- BEAVERS WILLET I DR  
ERWIN W FICK OBS  
IOWA STATE  
UNIVERSITY  
AMES IA 50010  
U.S.A.
- BECKER FRIEDRICH DR PROF  
WEITLSTR 66-2109  
D-8000 MUENCHEN 45  
GERMANY, F.R.
- BECKER WILHELM PROF  
ASTRON INST  
UNIVERSITAET BASEL  
VENUSSTR 7  
CH- 4102 BINNINGEN  
SWITZERLAND
- BECKMAN JOHN E DR  
DEPT OF PHYSICS  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- BEER REINHARD DR  
JET PROPULSION LAB  
CALIF INST OF TECH  
4800 OAK GROVE DR  
PASADENA CA 91103  
U.S.A.
- BEHR ALFRED PROF  
HAMBURGER STERNWARTE  
GOJENBERGSWEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.
- BEL NICOLE J DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- BELL BARBARA DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- BELL ROGER A DR  
ASTRONOMY PROGRAM  
UNIVERSITY OF  
MARYLAND  
COLLEGE PARK MD20742  
U.S.A.
- BELTON MICHAEL J S DR  
SOLAR SYSTEM PROG  
KITZ PEAK NAT OBS  
950 N CHERRY AVE  
TUCSON AZ 85726  
U.S.A.
- BELY-DUBAU FRANCOISE  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- BENAVENTE JOSE  
INST Y OBSERVATORIO  
DE MARINA  
SAN FERNANDO CADIZ  
SPAIN

- BENDER PETER L DR  
JILA  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80309  
U.S.A.
- BENEVIDES SOARES P DR  
INSTITUTO ASTRONOMI-  
CO E GEOPHISICO  
CAIXA POSTAL 30 627  
SAO PAULO 00 SP  
BRAZIL
- BENSAMMAR S DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- BERENDZEN RICHARD DR  
PROVOST  
THE AMERICAN  
UNIVERSITY  
WASHINGTON DC 20016  
U.S.A.
- BERGEAT JACQUES G DR  
OBSERVATOIRE DE LYON  
F-69230 SAINT-GENIS-  
LAVAL  
FRANCE
- BERGER XAVIER DR  
CERGA  
AVENUE COPERNIC  
F-6130 GRASSE  
FRANCE
- BERGVALL NILS AKE SIGVARD  
ASTRONOMISKA  
OBSERVATORIET  
BOX 515  
S-751 20 UPPSALA  
SWEDEN
- BERNACCA P DR  
OSSERVATORIO ASTRO-  
FISICO  
ASIAGO VICENZA  
ITALY
- BERTAUX J L DR  
SERVICE D AERONOMIE  
B P NO 3  
F-91370 VERRIERES-  
LE-BUISSON  
FRANCE
- BERTIN GIUSEPPE DR  
SCUOLA NORMALE SUP  
PIAZZA DEI CAVALIERI  
I-56100 PISA  
ITALY
- BESSELL MICHAEL S DR  
MT STROMLO  
OBSERVATORY  
WODEN PD ACT 2606  
AUSTRALIA
- BHATIA PREM K DR  
DEPT OF MATHEMATICS  
UNIVERSITY OF  
JODHPUR  
JODHPUR-342001  
INDIA
- BENEDICT G F DR  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- BENFORD GREGORY DR  
PHYSICS DEPT  
UNIV OF CALIFORNIA  
IRVINE CA 92717  
U.S.A.
- BENVENUTI P DR  
OSSERVATORIO ASTRO-  
FISICO  
I-36012 ASIAGO  
ITALY
- BERG RICHARD A DR  
DEPT PHYS AND ASTRON  
UNIV OF ROCHESTER  
419 SPACE SCI CTR  
ROCHESTER NY 14627  
U.S.A.
- BERGER CHRISTIANE DR  
CERGA  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE
- BERGERON JACQUELINE A DR  
INST D'ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE
- BERKHUIJSEN ELLY M DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- BERNAT ANDREW PLOUS DR  
INST FOR ASTRONOMY  
UNIV OF HAWAII  
P O BOX 209  
KULA MAUI HI 96790  
U.S.A.
- BERTHOMIEU GABRIELLE DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE
- BERTOLA FRANCESCO PROF  
OSSERVATORIO  
ASTRONOMICO  
I-35100 PADOVA  
ITALY
- BETTIS DALE G PROF  
TICOM  
UNIVERSITY OF TEXAS  
AT AUSTIN  
AUSTIN TX 78712  
U.S.A.
- BHATIA V B DR  
DEPT OF PHYSICS AND  
ASTROPHYSICS  
DELHI UNIVERSITY  
DELHI-110007  
INDIA
- BENEST D DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- BENNETT JOHN CAISTER DR  
90 MALAN STREET  
RIVIERA  
PRETORIA 0084  
SOUTH AFRICA
- BENZ ARNOLD DR  
RADIO ASTRONOMY GR  
INST FUER ASTRONOMIE  
ETH ZENTRUM  
CH-8092 ZUERICH  
SWITZERLAND
- BERGE GLENN L DR  
OWENS VALLEY RADIO  
OBSERVATORY  
CALTECH 102 24  
PASADENA CA 91125  
U.S.A.
- BERGER JACQUES G DR  
OBSERVATOIRE  
DE PARIS  
61 AV OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- BERGSTRAHL JAY T DR  
JPL  
M/X 1833 - 365  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- BERMAN ROBERT HIRAM DR  
MIT  
RM 36-227  
77 MASSACHUSETTS AVE  
CAMBRIDGE MA 02139  
U.S.A.
- BERRINGTON KEITH ADRIAN  
DEPT OF APPLIED MATH  
& THEORETICAL PHYS  
QUEEN'S UNIVERSITY  
BELFAST BT7 INN  
U.K.
- BERTIAU FLOR C PROF  
WAVERSEBAAN 220  
B-3030 HEVERLEE  
BELGIUM
- BERTOUT CLAUDE PH D  
LANDESSTERNWART  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- BEUERMANN KLAUS P PROF  
INST ASTRON ASTROPH  
TU BERLIN  
ERNST-REUTER-PL 7  
D-1000 BERLIN  
GERMANY, F.R.
- BHATNAGAR ARVIND DR  
VEDHSHALA UDAIPUR  
SOLAR OBS  
11 VIDYA MARG  
UDAIPUR RAJAS 313001  
INDIA



- BHATNAGAR K B DR  
ZAKIR HUSSAIN COLL  
UNIV OF DELHI  
AJMERI GATE  
NEW DELHI 110 006  
INDIA
- BHONSLE RAJARAM V PROF  
PHYSICAL RESEARCH  
LABORATORY  
NAVANGPURA  
AHMEDABAD 380009  
INDIA
- BICAK JIRI DR  
DEPT OF MATH PHYSICS  
CHARLES UNIVERSITY  
POVLTAVSKA 8  
180 00 PRAHA 8  
CZECHOSLOVAKIA
- BIEGING JOHN HAROLD DR  
RADIO ASTRONOMY LAB  
CAMPBELL HALL  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- BIEN REINHOLD DR  
ASTRONOMISCHES  
RECHEN-INSTITUT  
MOENCHHOFSTR 12-14  
D-6900 HEIDELBERG  
GERMANY, F.R.
- BIGNELL R C DR  
NRAO-VLA  
SOCORRO NM 87801  
U.S.A.
- BILLINGS DONALD E PROF  
UNIVERSITY COLORADO  
DEPT OF ASTRO-  
GEOPHYSICS  
BOULDER CO 80309  
U.S.A.
- BINNEY JAMES J DR  
DEPT THEOR PHYSICS  
1 KEBLE ROAD  
OXFORD OX1 3NP  
U.K.
- BISHOP ROY L DR  
DEPT OF PHYSICS  
ACADIA UNIVERSITY  
WOLFVILLE NS BOP 1X0  
CANADA
- BISWAS SUKUMAR DR  
SOLAR PHYS GROUP  
TATA INST FUND RES  
HOMI BHABHA ROAD  
BOMBAY 400 005  
INDIA
- BLACKMAN CLINTON PAUL DR  
UNIV OF EDINBURGH  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- BLADES J CHRIS DR  
ESA SATEL TR STATION  
V FRANCA DEL CASTILL  
P O BOX 54065  
MADRID  
SPAIN
- BHATTACHARYYA J C PROF  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560034  
INDIA
- BIANCHINI ANTONIO DR  
OSSERVATORIO ASTRO-  
FISICO  
I-36012 ASIAGO  
ITALY
- BICKNELL GEOFFREY V DR  
MOUNT STROMLO &  
SIDING SPRING OBS  
PRIVATE BAG  
WODEN P.O. ACT 2606  
AUSTRALIA
- BIELICKI MACIEJ DR  
ASTRONOMICAL  
OBSERVATORY  
AL UJAZDOWSKIE 4  
00-478 WARSZAWA  
POLAND
- BIERMANN LUDWIG PROF DR  
MPI F ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- BIJADUI ALBERT DR  
OBSERVATOIRE DE NICE  
8 P 252  
F-06007 NICE CEDEX  
FRANCE
- BINGHAM RICHARD G DR  
ROYAL GREENWICH  
OBSERVATORY  
HALLSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- BIRAUD FRANCOIS DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- BISIACCHI GIANFRANCO DR  
INST DE ASTRONOMIA  
UNAM  
APDO POSTAL 70-264  
04510 MEXICO DF  
MEXICO
- BLAAUW A PROF DR  
ASSERSTRAAT 78  
9335 TC ZUIDVELDE  
THE NETHERLANDS
- BLACKWELL ALAN TREVOR  
METEORITE PROJECT  
NAT RES COUNCIL  
UNIV SASKATCHEWAN  
SASKATOON S7N 0W0  
CANADA
- BLAHA MILAN DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY MARYLAND  
COLLEGE PARK MD20742  
U.S.A.
- BHAVSAR SUKETU P  
ASTRONOMY CENTRE  
UNIVERSITY OF SUSSEX  
FALMER  
BRIGHTON BN1 9QH  
U.K.
- BIBARSOV RAVIL'SH DR  
ASTROPHYSICAL INST  
ACAD OF SCS OF THE  
TADJIK SSR  
734670 DUSHANBE  
U.S.S.R.
- BIDELMAN WILLIAM P PROF  
WARNER AND SWASEY  
OBSERVATORY  
CASE WESTERN RES UN  
CLEVELAND OH 44106  
U.S.A.
- BIEMONT EMILE DR  
RUE A LECLEROS 39  
B-4652 XHENDELESSE  
HERVE  
BELGIUM
- BIERMANN PETER L DR  
MPI FUR RADIOASTRON  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- BILLAUD G J  
CERGA  
AVE COPERNIC  
F-6130 GRASSE  
FRANCE
- BINNENDIJK L PROF DR  
FLOWER AND COOK  
OBSERVATORY  
UNIV OF PENNSYLVANIA  
PHILADELPHIA PA19104  
U.S.A.
- BIRKLE KURT PH D  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- BISNOVATYI-KOGAN G S DR  
SPACE RESEARCH INSTI  
TUTE USSR ACADEMY OF  
SCIENCES  
117810 MOSCOW  
U.S.S.R.
- BLACK JOHN HARRY DR  
HARVARD COLLEGE OBS  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- BLACKWELL DONALD E PROF  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RQ  
U.K.
- BLAIR GUY NORMAN DR  
ASTRONOMY PROGRAM  
DEPT EARTH SPACE SCS  
SUNY  
STONY BROOK NY 11794  
U.S.A.

- BLAMONT JACQUES E PROF  
SERVICE D AERONOMIE  
DU CNRS B P 3  
F-91370 VERRIERES  
LE BUISSON  
FRANCE
- BLANDFORD R D DR  
THEORET ASTROPHYSICS  
130-33  
CALTECH  
PASADENA CA 91125  
U.S.A.
- BLEEKER JOHAN A M DR IR  
HUYGENS LABORATORY  
WASSENAARSEWEG 78  
2300 RA LEIJEN  
THE NETHERLANDS
- BLITZ LEO  
UNIV OF MARYLAND  
ASTRONOMY PROGRAM  
COLLEGE PARK MD20742  
U.S.A.
- BLUM EMILE-JACQUES DR  
IRAM - VOIE 10  
DOMAINE UNIVERSITAIRE  
F-38400 ST MARTIN  
D'HERES  
FRANCE
- BOBROV M S DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- BOCHAREV NIKOLAJ G DR  
STERNBERG STATE  
ASTRONOMICAL INST  
117234 MOSCOW  
U.S.S.R.
- BOEHM KARL-HEINZ PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
WASHINGTON  
SEATTLE WA 98195  
U.S.A.
- BOEHME SIEGFRIED DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHHOFSTR 12-14  
D-6900 HEIDELBERG  
GERMANY, F.R.
- BOESGAARD ANN M PROF  
INST FOR ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.
- BOGGESS NANCY W DR  
NASA HEADQUARTERS  
WASHINGTON DC 20546  
U.S.A.
- BOHLIN J DAVID DR  
CODE ST  
NASA HEADQUARTERS  
WASHINGTON DC 20546  
U.S.A.
- BLANCO CARLU DR  
OSSERVATORIO  
ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY
- BLASTIUS KARL RICHARD DR  
PLANETARY SC INST  
283 S LAKE  
SUITE 218  
PASADENA CA 91101  
U.S.A.
- BLESS ROBERT C PROF  
ASTRONOMY DEPT  
UNIVERSITY WISCONSIN  
475 N CHARTER ST  
MADISON WI 53706  
U.S.A.
- BLITZSTEIN WILLIAM DR  
DEPT OF ASTRONOMY  
UNIV OF PENNSYLVANIA  
D RITTENHOUSE LAB E1  
PHILADELPHIA PA19174  
U.S.A.
- BLUM PETER PROF  
INST F ASTROPHYSIK  
UNIVERSITÄT BONN  
AUF DEM HUEGEL 71  
D-5300 BONN 1  
GERMANY, F.R.
- BOBROVNIKOFF NICHOLAS T  
DR  
1623 VISALIA AVE  
BERKELEY CA 94707  
U.S.A.
- BOCHONKO DONALD R DR  
DEPT MATH ASTRONOMY  
UNIV OF MANITOBA  
WINNIPEG MB R3T 2N2  
CANADA
- BOEHM-VITENSE ERIKA PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
WASHINGTON  
SEATTLE WA 98195  
U.S.A.
- BOERNER GERHARD DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN  
GERMANY, F.R.
- BOESHAAR GREGORY DR TH DR  
DEPT PHYSICS/ASTRON  
FREE UNIVERSITY  
DE BOELELAAN 1081  
1081 HV AMSTERDAM  
THE NETHERLANDS
- BOGORUDSKIY A F DR  
KIEV STATE UNIVERSI-  
TY ASTRONOMICAL  
OBSERVATORY  
252053 KIEV  
U.S.S.R.
- BOHLIN RALPH C DR  
CODE 672  
GODDARD SPACE  
FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.
- BLANCO VICTOR M DR  
CERRO TOLOLO  
INTERAMERICAN OBS  
CASTILLA 63 D  
LA SERENA  
CHILE
- BLECHA ANDRE BORIS G DR  
16 RUE ET-DUMONT  
CH-1204 GENEVA  
SWITZERLAND
- BLINOV N S DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- BLUDMAN SIDNEY A PROF  
DEPT OF PHYSICS  
UNIVERSITY OF  
PENNSYLVANIA  
PHILADELPHIA PA19104  
U.S.A.
- BO SHU-REN  
NO 1 GONG YUAN WEST  
ROAD  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- BOCCHIA ROMEO DR  
OBS DE BORDEAUX  
AVENUE P SEMIROT  
33270 FLOITAC  
FRANCE
- BODENHEIMER PETER PROF  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95064  
U.S.A.
- BOEHME A DR  
HEINRICH HERTZ INST  
SOLAR TERRESTR PHYS  
TELEGRAFENBERG  
DDR 15 POTSDAM  
G.D.R.
- BOERNGEN FREIMUT DR PH  
ZENTR INST ASTROPHYS  
K SCHWARZSCHILD OBS  
DDR-6901 TAUTENBURG  
G.D.R.
- BOGGESS ALBERT DR  
CODE 673  
GODDARD SPACE  
FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.
- BOHANNAN BRUCE EDWARD  
SCHMERS-BAUSCH OBS  
UNIV OF COLORADO  
BOX 391  
BOULDER CO 80309  
U.S.A.
- BOHRMANN ALFRED PROF  
SCHAERSTRASSE 23  
D-2050 HAMBURG 80  
GERMANY, F.R.

- BOISCHOT ANDRE DR  
OBSERVATOIRE DE  
MEUDON  
F-92190 MEUDON  
FRANCE
- BOLCAL C DR  
UNIV OBSERVATORY  
UNIVERSITE  
ISTANBUL  
TURKEY
- BOLTON C THOMAS PROF  
DAVID DUNLAP OBS  
P O BOX 360  
RICHMOND HILL  
ONT L4C 4Y6  
CANADA
- BONAZZOLA S DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- BONDARENKO L N DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- BONEV T MR  
OBS POPULAIRE  
STARA-ZAGORA  
BULGARIA
- BONNOR W B PROF  
QUEEN ELIZABETH  
COLLEGE  
CAMPDEN HILL ROAD  
LONDON W8 7AH  
U.K.
- BONOV ANGEL DR  
ASTRONOMICAL  
OBSERVATORY  
P O BOX 36  
1504 SOFIA 4  
BULGARIA
- BOOKMYER BEVERLY B DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
CLEMSON UNIVERSITY  
CLEMSON SC 29631  
U.S.A.
- BORCHKHADZE TANGIZ M DR  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.R.
- BORGNIJN J DR  
DEPT D'ASTROPHYSIQUE  
UNIVERSITE DE NICE  
PARC VALROSE  
F-06034 NICE CEDEX  
FRANCE
- BOSMA ALBERT DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- BOK BART J PRJF  
STEWART OBSERVATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.
- BOLDT ELIHU DR  
CODE 661  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.
- BOLTON JOHN G  
39 PANORAMA CRESCENT  
BODERIM QLD 4556  
AUSTRALIA
- BOND HOWARD E DR  
DEPT PHYSICS AND AST  
LOUISIANA STATE  
UNIVERSITY  
BATON ROUGE LA 70803  
U.S.A.
- BONDI HERMANN PROF SIR  
DEPT OF ENERGY  
THAMES HOUSE SOUTH  
MILLBANK  
LONDON SW1P 4JJ  
U.K.
- BONIFAZI ANGELO DR  
OSSERVATORIO ASTRO-  
NOMICO  
I-40100 BOLOGNA  
ITALY
- BONOLI FABRIZIO  
OSS ASTRONOMICO  
UNIVERSITARIO  
CASELLA POSTALE 596  
I-40100 BOLOGNA  
ITALY
- BONSACK WALTER K PROF  
INST FOR ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.
- BOOTH ROY S DR  
NUFFIELD RADIO ASTRO-  
NOMY LABORATORIES  
JODRELL BANK  
MACCLESFIELD SK119DL  
U.K.
- BORD DONALD JOHN  
DEPT OF PHYSICS  
BENEDICTINE COLLEGE  
ATCHISON KS 66002  
U.S.A.
- BORIAKOFF VALENTIN  
NAIC  
420 SPACE SC BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- BOSMA PIETER B DR  
DEPT PHYSICS/ASTRON  
FREE UNIVERSITY  
DE BOELELAAN 1081  
1081 HV AMSTERDAM  
THE NETHERLANDS
- BOKSENBURG ALEC PROF  
ROYAL GREENWICH OBS  
HERSTMONCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- BOLEY FORREST  
WILDER LABORATORY  
DARTMOUTH COLLEGE  
HANOVER NH 03755  
U.S.A.
- BONANOMI J DR  
OBSERVATOIRE  
DE NEUCHATEL  
CH-2000 NEUCHATEL  
SWITZERLAND
- BOND JOHN RICHARD  
DEPT OF PHYSICS  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.
- BONET JOSE A  
URBANIZACION CERCADO  
MESA  
VILLAS DEL PRADO 7  
LA LAGUNA TENERIFE  
SPAIN
- BONNET ROGER M DR  
LPSP CNRS  
BP 10  
F-91370 VERRIERES  
LE BUISSON  
FRANCE
- BONOMETTO SILVIO A DR  
ISTITUTO DI FISICA  
G GALILEI 8  
VIA MARZOLE  
I-35100 PADOVA  
ITALY
- BOOK DAVID L  
CODE 4040  
US NAVAL RES LAB  
WASHINGTON DC 20375  
U.S.A.
- BOPP BERNARD W DR  
DEPT PHYSICS ASTRON  
UNIV OF TOLEDO  
TOLEDO OH 43606  
U.S.A.
- BORGMAN JAN DR PROF  
KAPTEYN OBSERVATORY  
MENSINGHEWEG 20  
9301 KA RODEN DR  
THE NETHERLANDS
- BORRA ERMANNO F DR  
DEPT DE PHYSIQUE  
UNIVERSITE LAVAL  
STE FOY  
QUEBEC PQ G1K 7P4  
CANADA
- BOSMAN-CRESPIN DENISE  
BLVD D AVROY 68  
BTE 093  
B-4000 LIEGE  
BELGIUM

- BOTELHO A DR  
OBS ASTRONOMIC  
LISBOA  
PORTUGAL
- BOUGERET J L DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- BOULON JACQUES J DR  
OBSERVATOIRE PARIS  
61 AVENUE DE  
L OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- BOWELL E L G DR  
LOWELL OBS  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.
- BOWYER C STUART PROF  
UNIVERSITY  
OF CALIFORNIA  
ASTRONOMY DEPT  
BERKELEY CA 94720  
U.S.A.
- BOYCE PETER B DR  
AMERICAN ASTRON SOC  
1816 JEFFERSON PL NW  
WASHINGTON DC 20036  
U.S.A.
- BOYTON P E DR  
ASTRONOMY DEPT  
UNIV OF WASHINGTON  
SEATTLE WA 98195  
U.S.A.
- BRACCESTI ALESSANDRO PROF  
OSSERVATORIO  
ASTRONOMICO  
VIA ZAMBONI 33  
I-40126 BOLOGNA  
ITALY
- BRANDHE ROLF DR  
INSTITUTE OF THEORE-  
TICAL ASTROPHYSICS  
UNIVERSITY OF OSLO  
BLINDERN OSLO 3  
NORWAY
- BRAND PETER W J L DR  
DEPT OF ASTRONOMY  
UNIVERSITY  
OF EDINBURGH  
EDINBURGH EH8 9YL  
U.K.
- BRANDT JOHN C DR  
CODE 680  
GODDARD SPACE  
FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.
- BRANSCOMB L M DR  
NATIONAL BUREAU OF  
STANDARDS  
WASHINGTON DC 20025  
U.S.A.
- BOTEZ ELVIRA DR  
INSTITUT D'ENSEIGNE-  
MENT SUPERIEUR  
5800 SUCEAVA  
ROUMANIA
- BOUIGUE ROGER PROF  
LAB D'ASTRONOMIE  
UNIVERSITE  
PAUL SABATIER  
F-31077 TOULOUSE CDX  
FRANCE
- BOUSKA JIRI DR  
DEPT OF ASTRONOMY  
CHARLES UNIVERSITY  
SVEDESKA 8  
150 00 PRAHA  
CZECHOSLOVAKIA
- BOWEN EDWARD G DR  
5010 MAXWELL AVENUE  
WEST RIVER MD 20881  
U.S.A.
- BOYARCHUK A A DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNY  
334413 CRIMEA  
U.S.S.R.
- BOYD ROBERT L F PROF  
MULLARD SPACE  
SCIENCE LAB UCL  
HOLMBURY ST MARY  
DORKING RH5 6NS  
U.K.
- BOZIS GEORGE PROF  
DEPT THEOR MECHANICS  
UNIVERSITY  
OF THESSALONIKI  
THESSALONIKI  
GREECE
- BRACEWELL RONALD N PROF  
DURAND 329  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.
- BRAHC ANDRE DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- BRANDI ELISANDE STELLA DR  
OBS ASTRONOMIC  
PASEO DE BOSQUE  
1900-LA PLATA  
ARGENTINA
- BRANQUARDI-RAYMONT G  
MULLARD SPACE  
SCIENCE LAB  
HOLMBURY ST MARY  
DORKING SURREY  
U.K.
- BRANSON NICHOLAS J B A DR  
GENERAL BOARD OF THE  
FACULTIES  
THE OLD SCHOOLS  
CAMBRIDGE CB2 1TT  
U.K.
- BOTTINELLI LUCETTE DR  
OBSERVATOIRE  
DE MEUDON  
RADIOASTRONOMIE  
F-92190 MEUDON  
FRANCE
- BOULESTEIX JACQUES  
OBS DE MARSEILLE  
2 PLACE LE VERRIER  
F-13248 MARSEILLE  
FRANCE
- BOUVIER PIERRE PROF  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND
- BOWERS PHILLIP F  
CODE 4134  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.
- BOYARCHUK MARGARITA E DR  
CRIMEAN ASTROPHYS  
OBSERVATORY  
P/O NAUCHNYJ  
334413 CRIMEA  
U.S.S.R.
- BOYDAG-YILDIZDOGDU F S  
ACADEMY OF ISTANBUL  
ENG & ARCHITECTURE  
DEPT OF PHYSICS  
ISTANBUL  
TURKEY
- BOZKURT SUKRU DR  
EGE UNIVERSITY  
OBSERVATORY  
PK 21  
BORNOVA IZMIR  
TURKEY
- BRAES L L E DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- BRANCH JAVID DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY OKLAHOMA  
NORMAN OK 73019  
U.S.A.
- BRANDIE GEORGE W DR  
ENVIRONMENTAL ENG  
DUPUIS HALL  
QUEENS UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA
- BRANHAM RICHARD L JR  
US NAVAL OBSERVATORY  
TRANSIT CIRCLE DIV  
WASHINGTON DC 20390  
U.S.A.
- BRAUDE SEMION YA PROF AG  
INST RADIOPHY ELECTR  
ACADEMY OF SCIENCES  
THE UKRAINIAN SSR  
310085 KHARKOV  
U.S.S.R.

- BRAULT JAMES W DR  
KITTE PEAK NATIONAL  
OBSERVATORY  
PO BOX 26732  
TUCSON AZ 85726  
U.S.A.
- BRAY ROBERT J DR  
CSIRO NATIONAL MEASU  
REMENT LABORATORY  
PO BOX 218  
LINDFIELD NSW 2070  
AUSTRALIA
- BRECHER KENNETH PROF  
DEPT OF ASTRONOMY  
BOSTON UNIVERSITY  
725 COMMONWEALTH AVE  
BOSTON MA 02215  
U.S.A.
- BREGMAN JACOB D IR  
NETHERLANDS FOUNDA  
TION RADIOASTRONOMY  
POSTBUS 2  
7990 AA OWINGELOD  
THE NETHERLANDS
- BRETAGNON P DR  
BUREAU D LONGITUDES  
77 AVENUE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- BRIHAYE CHARLES C A DR  
SCHEMERINGLAAN 14A  
1900 OVERTIJSE  
BELGIUM
- BRIOT DANIELLE  
OBS DE PARIS  
61 AVE DE L'ORS  
F-75014 PARIS  
FRANCE
- BROGLIA PIETRO DR  
OSSERVATORIO  
ASTRONOMICO  
I-22055 MERATE COMO  
ITALY
- BROSCHKE PETER PROF  
OBSERVATORIUM  
HOHER LIST  
D-5568 DAUN  
GERMANY, F.R.
- BROUCKE ROGER DR  
7203 RUNNING ROPE  
CIRCLE  
AUSTIN TX 78731  
U.S.A.
- BROWN HARRISON DR  
DIV OF GEOLOGICAL  
SCIENCES  
CALTECH  
PASADENA CA 91103  
U.S.A.
- BROWN RONALD J PROF  
CHEMISTRY DEPT  
MONASH UNIVERSITY  
WELLINGTON ROAD  
CLAYTON VICT 3168  
AUSTRALIA
- BRAUNINGER H DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
INST EXTRATERR PHYS  
D-8046 GARCHING  
GERMANY, F.R.
- BREALEY G A P ENG  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- BRECKINRIDGE JAMES B DR  
J P L CALTECH  
MAIL STOP 183-301  
4800 OAK GROVE DR  
PASADENA CA 91103  
U.S.A.
- BREINHORST ROBERT A DR  
ASTRON INSTITJT  
STERNWARTE  
AUF DEM HUEGEL 71  
D-5300 BONN 1  
GERMANY, F.R.
- BRIDLE ALAN H PROF  
DEPT OF PHYSICS  
QUEENS UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA
- BRINI D PROF  
LABORATORIO TESRE  
VIA CASTAGNOLI 1  
I-40100 BOLOGNA  
ITALY
- BROADFOOT A LYLE DR  
SPACE SCS INST USC  
TUCSON LAB  
3625 EAST AJO WAY  
TUCSON AZ 85173  
U.S.A.
- BROMAGE GORDON E DR  
ASTROPHYSICS RES DIV  
S R C APPLETON LAB  
CULHAM LAB  
ABINGDON OXON  
U.K.
- BROSTERHUS E B F DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- BROUW W N DR  
RADIOSTERRENWACHT  
POSTBUS 2  
7990 AA OWINGELOD  
THE NETHERLANDS
- BROWN JOHN C DR  
DEPT OF ASTRONOMY  
GLASGOW UNIVERSITY  
GLASGOW G12 8QQ  
U.K.
- BROWNE IAN W A DR  
NUFFIELD RADIO ASTRO  
NOMY LABORATORIES  
JODRELL BANK  
MACCLESFIELD SK119DL  
U.K.
- BRAUNSFURTH EDWARD PH D  
ASTRONOMISCHES INST  
RUHR UNIVERSITAET  
POSTFACH 102148  
D-4630 BOCHUM  
GERMANY, F.R.
- BRECHER AVIVA DR PROF  
ARTHUR D LITTLE INC  
ACORN PARK  
CAMBRIDGE MA 02140  
U.S.A.
- BREGER MICHEL DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- BREJDO TZABELLA I DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- BRIEVA EDUARDO PROF  
OBSERVATORIO  
NACIONAL  
APARTADO 2584  
BOGOTA  
COLOMBIA
- BRINKMAN BERT C DR  
SPACE RESEARCH LAB  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS
- BRODERICK JOHN DR  
PHYSICS DEPT  
VPI AND SU  
BLACKSBURG VA 24061  
U.S.A.
- BROOKES CLIVE J DR  
L RVEFIELD CLOSE  
WEST HAGLEY  
STOURBRIDGE  
W MIDLANDS DY9 0JS  
U.K.
- BRJTEN NORMAN W  
HERZBERG INST OF  
ASTROPHYSICS  
NAT RES COUNC CANADA  
OTTAWA ONT K1A 0R6  
CANADA
- BROWN ALEXANDER  
DEPT OF PHYSICS  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- BROWN ROBERT L DR  
NATIONAL RADIO  
ASTRONOMY OBS  
BOX 2  
GREEN BANK WV 24944  
U.S.A.
- BROWNLEE DONALD E PROF  
DEPT OF ASTRONOMY  
UNIV OF WASHINGTON  
SEATTLE WA 98195  
U.S.A.

- BROWNLEE ROBERT R DR  
G-DO MS 570  
LOS ALAMOS SCI  
LABORATORY  
LOS ALAMOS NM 87544  
U.S.A.
- BRUECKNER GUENTER E DR  
CODE 7142  
NAVAL RESEARCH  
LABORATORY  
WASHINGTON DC 20375  
U.S.A.
- BRUNER EL C JR DR  
LOCKHEED P A RES LAB  
DEPT 52-12 BLDG 202  
3251 HANOVER ST  
PALO ALTO CA 94304  
U.S.A.
- BRUSTON P DR  
L P S P  
B P NO 10  
F-91370 VERRIERES-  
LE-BUTSSON  
FRANCE
- BRUZAL GUSTAVO  
CENTRO DE INVEST DE  
ASTRONOMIA CIDA  
AP P 264  
MERIDA 5101-A  
VENEZUELA
- BUES IRMELA D DR  
REIMS STERNWART  
STERNWARTSTRASSE 7  
D-8600 BAMBERG  
GERMANY, F.R.
- BULLEN K E PROF  
DEPT OF APPLIED MATH  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- BURBIDGE E MARGARET PROF  
DEPT OF PHYSICS  
UNIV OF CALIFORNIA  
SAN DIEGO MCCD-11  
LA JOLLA CA 92093  
U.S.A.
- BURGER J J DR IR  
WERK GROEP KOSMISCHE  
STRALING KONNES LAB  
NIEUWSTEEG 18  
2311 SB LEIDEN  
THE NETHERLANDS
- BURGESS DAVID D DR  
BLACKETT LABORATORY  
IMPERIAL COLLEGE OF  
SCI AND TECHNOLOGY  
LONDON SW7 2BZ  
U.K.
- BURKHART C DR  
OBS DE LYON  
69230 ST-GENIS-LAVAL  
FRANCE
- BURLAGA L F DR  
NASA GSFC  
CODE 692  
GREENBELT MD 20771  
U.S.A.
- BRUCK HERMANN A PROF  
CRAIGOWER  
PENICUIK EH26 9LA  
U.K.
- BRUHWEILER F J JR  
IVE OBSERVATORY  
CODE 685/CSC  
NASA GSFC  
GREENBELT MD 20771  
U.S.A.
- BRUNET JEAN-PIERRE DR  
OBSERVATOIRES  
1 AVE C FLAMMARION  
F-31500 TOULOUSE  
FRANCE
- BRUWER J A  
SOUTH AFRICAN ASTRO-  
NOMICAL OBSERVATORY  
P O BOX 3718  
JOHANNESBURG 2000  
SOUTH AFRICA
- BUCHLER J ROBERT PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- BUFF JAMES S DR  
DEPT PHYSICS ASTRON  
DARTMOUTH COLLEGE  
HANOVER NH 03755  
U.S.A.
- BUMBA VACLAV DR  
ASTRONOMICAL INST OF  
THE CZECHOSLOVAK  
ACADEMY OF SCIENCES  
251 65 ONDREJOV  
CZECHOSLOVAKIA
- BURBIDGE GEOFFREY R PROF  
OFF OF THE DIRECTOR  
KITTE PEAK NAT OBS  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- BURGER MARIJKE DR  
SPARRENSTRAAT 58  
1170 BRUSSEL  
BELGIUM
- BURKE BERNARD F DR  
DEPT OF PHYSICS  
M I T RM 26-335  
CAMBRIDGE MA 02139  
U.S.A.
- BURKHEAD MARTIN S  
ASTRONOMY DEPT  
INDIANA UNIVERSITY  
SWAIN HALL WEST  
BLOOMINGTON IN 47405  
U.S.A.
- BURNELL SUSAN J B DR  
MULLARD SPACE SC LAB  
UNIV COLLEGE LONDON  
LONDON  
U.K.
- BRUCK MARY T DR  
ROYAL OBSERVATORY  
EDINBURGH EH9 3HJ  
U.K.
- BRUMBERG VICTOR A DR  
INSTITUTE FOR THEORE-  
TICAL ASTRONOMY  
192187 LENINGRAD  
U.S.S.R.
- BRUNK WILLIAM E DR  
OFF SPACE SC CODE SL  
NASA HEADQUARTERS  
400 MARYLAND AVE S W  
WASHINGTON DC 20546  
U.S.A.
- BRUZEK ANTON DR  
KIEPENHEUER INSTITUT  
FUER SONNENPHYSIK  
SCHDENECKSTRASSE 6  
D-7800 FREIBURG  
GERMANY, F.R.
- BUDDING EDWIN DR  
CARTER OBSERVATORY  
P O BOX 2909  
WELLINGTON 1  
NEW ZEALAND
- BUHL DAVID DR  
INFR RADIO ASTRO BR  
NASA GODDARD SPACE  
FLIGHT CTR CODE 693  
GREENBELT MD 20771  
U.S.A.
- BUNNER A N DR  
PERKIN-FLMER CORP  
M S 846  
100 WOODSTER HTS RD  
DANBURY CT 06810  
U.S.A.
- BURCH CICIL R DR  
PHYSICS DEPT  
THE UNIVERSITY  
BRISTOL 8  
U.K.
- BURGESS ALAN DR  
DEPT OF APPLIED MATH  
AND THEORETICAL PHYS  
SILVER STREET  
CAMBRIDGE CB3 9EW  
U.K.
- BURKE J ANTHONY DR  
DEPT OF PHYSICS  
UNIVERSITY OF  
VICTORIA  
VICTORIA BC V8W 2Y2  
CANADA
- BURKI GILBERT DR  
OBS DE GENEVE  
CH-1290 SAUVERNY  
SWITZERLAND
- BURNS JACK O'NEIL JR  
DEPT OF PHYSICS &  
ASTRONOMY  
UNIV OF NEW MEXICO  
ALBUQUERQUE NM 97131  
U.S.A.

- BURNS JOSEPH A PROF  
CENTER RADIOPHYSICS  
SPACE RESEARCH  
CORNELL UNIVERSITY  
ITHACA NY 14850  
U.S.A.
- BURSTEIN DAVID  
NRAD  
EDGEMONT ROAD  
CHARLOTTESVILLE  
VA 22903  
U.S.A.
- BUSCOMBE WILLIAM PROF  
ASTRONOMY DEPT  
NORTHWESTERN  
UNIVERSITY  
EVANSTON IL 60201  
U.S.A.
- BUTLER C JOHN DR  
ARMAGH OBSERVATORY  
ARMAGH BT61 9DG  
U.K.
- BYKOV M F DR  
ASTRONOMICAL INST  
UZBEKIAN ACADEMY OF  
SCIENCES  
700000 TASHKENT  
U.S.S.R.
- BYSTROV NIKOLAI F DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- CACCIANI ALESSANDRO DR  
OSSERVATORIO  
ASTRONOMICO DI ROMA  
I-00100 ROMA  
ITALY
- CADEZ ANDREJ DR  
DEPT OF PHYSICS  
UNIV OF LJUBLJANA  
JADRANSKA 19  
61000 LJUBLJANA  
YUGOSLAVIA
- CALAME ODILE DR  
CERGA  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE
- CALOI VITTORIA DR  
CNR  
ASTROFISICA SPAZIALE  
C P 67 ROMA  
I-00044 FRASCATI  
ITALY
- CALVO MANUEL  
DEPTO DE ASTRONOMIA  
UNIVERSIDAD ZARAGOZA  
ZARAGOZA 9  
SPAIN
- CAMERON WINIFRED S MRS  
CODE 601  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.
- BURROWS ADAM SETH  
DEPT OF PHYSICS  
SUNY  
STONY BROOK NY 11794  
U.S.A.
- BURTON W BUTLER DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- BUSER ROLAND DR  
ASTRONOMICAL INST  
UNIV OF BASEL  
VENUSSTRASSE 7  
CH-4102 BINNINGEN  
SWITZERLAND
- BUTLER DENNIS DR  
ASTRONOMY DEPT  
YALE UNIV  
BOX 2023 YALE STAT  
NEW HAVEN CT 06520  
U.S.A.
- BYRD GENE G DR  
DEPT PHYSICS ASTRON  
UNIV OF ALABAMA  
BOX 1921  
UNIVERSITY AL 35486  
U.S.A.
- BYSTROVA NATALIJA V DR  
SPECIAL ASTROPHYSI-  
CAL OBSERVATORY  
LENINGRAD BRANCH  
196140 LENINGRAD  
U.S.S.R.
- CACCIANI CARLA DR  
IST DI ASTRONOMIA  
I-40100 BOLOGNA  
ITALY
- CAHN JULIUS H ASSOC PROF  
UNIVERSITY OF  
ILLINOIS OBSERVATORY  
URBANA IL 61801  
U.S.A.
- CALDWELL JOHN JAMES  
ESS DEPT SUNY  
STONY BROOK NY 11794  
U.S.A.
- CALVANI MASSIMO DR  
OSSERVATORIO ASTRO-  
NOMICO  
I-35100 PADOVA  
ITALY
- CAMARENA BADIA V ADJ PROF  
DPTO FIS TIERRA COS PROF  
FACULTAD DE CIENCIAS  
UNIV DE ZARAGOZA  
ZARAGOZA  
SPAIN
- CAMICHEL HENRI DR  
OBSERVATOIRE  
DE TOULOUSE  
1 CAMILLE FLAMMARION  
F-31500 TOULOUSE  
FRANCE
- BURSA MILAN DR  
ASTRONOMICAL INST  
CSAV  
BUDECSKA 6  
120 23 PRAHA 2  
CZECHOSLOVAKIA
- BURTON WILLIAM M  
SPACE ASTROPH R25  
RUTHERFORD APPL LAB  
CHILTON DIDCOT  
OXON OX11 0QX  
U.K.
- BUTI B PROF  
PHYSICAL RESEARCH  
NAVRANGPURA  
AHMEDABAD 380009  
INDIA
- BYARD P L DR  
DEPT OF ASTRONOMY  
OHIO STATE UNIV  
174 W 18TH AVE  
COLUMBUS OH 43210  
U.S.A.
- BYRNE PATRICK B DR  
ARMAGH OBSERVATORY  
ARMAGH BT61 9DG  
U.K.
- CABRITA EZEQUIEL DR  
OBSERVATORIO  
DE LISBOA  
TAPADA LISBOA  
PORTUGAL
- CACCINI BRUNO  
OSSERVATORIO ASTRONO-  
MICO DI CAPODIMONTE  
VIA MOIARIELLO 16  
I-80131 NAPOLI  
ITALY
- CALAMAI G PROF  
OSSERVATORIO ASTRO-  
FISICO DI ARCETRI  
FIRENZE  
ITALY
- CALLEBAUT DIRK K DR  
DEPT OF PHYSICS UIA  
UNIVERSITEITSPLEIN 1  
B 2610 WILRIJK-ANTW  
BELGIUM
- CALVET NURIA DR  
CENTRO DE INVEST DE  
ASTRONOMIA CIDA  
AP P 264  
MERIDA 5101-A  
VENEZUELA
- CAMERON ALASTAIR G W PROF  
HARVARD COLLEGE  
OBSERVATORY  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- CAMPBELL BRUCE DR  
CFHT CORPORATION  
BOX 1597  
KAMUELA HI 96743  
U.S.A.

CAMPBELL DONALD B  
ARECIBO OBSERVATORY  
BOX 995  
ARECIBO PR 00612  
U.S.A.

CAMPUSANO L E  
DEPTO DE ASTRONOMIA  
UNIVERSIDAD DE CHILE  
CASILLA 36-0  
SANTIAGO  
CHILE

CANDY MICHAEL P MR  
PERTH OBSERVATORY  
WALNUT ROAD  
BICKLEY 6076  
AUSTRALIA

CANIZARES CLAUDE R PROF  
MIT  
RM 37-501  
CAMBRIDGE MA 02139  
U.S.A.

CANNON WAYNE H DR  
DEPT OF PHYSICS  
YORK UNIVERSITY  
4700 KEELE STREET  
DOWNSVIEW ONT M3J1P3  
CANADA

CAPACCIOLI MASSIMO DR  
ASTRONOMICAL OBS  
UNIVERSITY OF PADOVA  
I-35100 PADOVA  
ITALY

CAPLAN JAMES  
OBSERVATOIRE DE  
MARSEILLE  
PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE

CAPUTO FILIPPINA DR  
CNR ASTROFISICA  
SPAZIALE C P 67  
ROMA  
I-00044 FRASCATI  
ITALY

CARDONA OCTAVIO DR  
INST NAC DE ASTROFIS  
OPTICA Y ELECTRONICA  
APODO POSTAL 216  
PUEBLA PUE  
MEXICO

CARLBERG RAYMOND GARY DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.

CARLSON JOHN B  
ASTRONOMY PROGRAM  
UNIV OF MARYLAND  
COLLEGE PARK MD20742  
U.S.A.

CAROFF LAWRENCE J  
SPACE SC DIV NASA  
AMES RES CTR MS245-3  
MOFFETT FIELD  
CA 94035  
U.S.A.

CAMPBELL JAMES W  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.

CANAL RAMON M DR  
DPTO FIS TIERRA COS  
UNIVERSIDAD  
DE BARCELONA  
BARCELONA 14  
SPAIN

CANE HILARY VIVIEN  
CODE 690  
NASA GSFC  
GREENBELT MD 20771  
U.S.A.

CANNON C J DR  
DEPT OF APPLIED  
MATHEMATICS  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA

CANTO JORGE DR  
INSTITUTO DE  
ASTRONOMIA UNAM  
APODO POSTAL 70264  
MEXICO 04510 DF  
MEXICO

CAPEN CHARLES F  
LOWELL OBSERVATORY  
BOX 1269  
FLAGSTAFF AZ 86001  
U.S.A.

CAPRIOLI GIUSEPPE PROF  
OBSERVATORIO ASTRON  
MICO DI ROMA  
VIA TRIONFALE 204  
ROMA  
ITALY

CAPUZZO DOLCETTA ROBERTO  
OSS ASTRONOMICO  
VIALE DEL PARCO  
MELLINI 84  
I-00136 ROMA  
ITALY

CARDUS ALMEDA J DR  
OBSERVATORIO DEL  
EBRO  
ROQUETAS  
TORTOSA BARCELONA  
SPAIN

CARLETON NATHANIEL P DR  
SMITHSONIAN ASTROPHY  
SICAL OBSERVATORY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

CARM LAWRENCE E DR  
SACRAMENTO PEAK OBS  
SUNSPOT NM 88349  
U.S.A.

CAROUBALOS C A PROF  
LAB ELECTRONIC PHYS  
UNIVERSITY OF ATHENS  
104 SOLODOS STREET  
ATHENS 144  
GREECE

CAMPBELL MURRAY F  
DEPT OF PHYSICS &  
ASTRONOMY  
COLBY COLLEGE  
WATERVILLE ME 04901  
U.S.A.

CANAVAGGIA RENEE DR  
OBSERVATOIRE  
DE PARIS  
61 AV L OBSERVATOIRE  
F-75014 PARIS  
FRANCE

CANFIELD RICHARD C DR  
PHYSICS C-011 UCSD  
LA JOLLA CA 92093  
U.S.A.

CANNON RUSSELL D DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.

CANTU ALBERTO M DR  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

CAPITAINE NICOLE  
OBS DE PARIS  
61 AV DE L'OBS  
F-75014 PARIS  
FRANCE

CAPRIOTTI EUGENE R DR  
DEPT OF ASTRONOMY  
OHIO STATE UNIV  
5058 A SMITH LAB  
COLUMBUS OH 43210  
U.S.A.

CARSON DUANE F DR  
KITTS PEAK NAT OBS  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.

CARESTIA REINALDO A DR  
OBS ASTRON F AGUILAR  
AV BENAVIDEZ 8175  
QUESTE RIVADAVIA  
5400 SAN JUAN  
ARGENTINA

CARLQVIST PER A DR  
DEPT PLASMA PHYSICS  
ROYAL INST OF  
TECHNOLOGY  
S-10044 STOCKHOLM 70  
SWEDEN

CARNEY BRUCE WILLIAM  
DEPT OF PHYS & ASTRO  
PHILLIPS HALL 039A  
UNIV NORTH CAROLINA  
CHAPEL HILL NC 27514  
U.S.A.

CARPENTER LLOYD DR  
GODDARD SPACE FLIGHT  
CENTER  
CODE 921  
GREENBELT MD 20771  
U.S.A.



CARR BERNARD JOHN  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.

CARRASCO GUILLERMO DR  
OBS ASTRON NATIONAL  
UNIVERSIDAD DE CHILE  
CASILLA 36-D  
SANTIAGO  
CHILE

CARRUTHERS GEORGE R DR  
SPACE SCIENCE DIV  
US NAVAL RES LAB  
CODE 7123  
WASHINGTON DC 20375  
U.S.A.

CARTER WILLIAM EUGENE  
19004 OXCART PLACE  
GAITHERSBURG MD20879  
U.S.A.

CASANOVAS JUAN DR  
VATICAN OBSERVATORY  
I-00120 VATICAN CITY  
VATICAN CITY STATE

CASSATELLA ANGELO DR  
LAB ASTRFISICA SPAZ  
P O 8 67  
I-00044 FRASCATI  
ITALY

CASTELLANI VITTORIO PROF  
LAB ASTRFISICA  
C P 67  
I-00044 FRASCATI  
ITALY

CASTOR JOHN I DR  
L-18 LAWRENCE LIVER  
MORE NATIONAL LAB  
P O BOX 808  
LIVERMORE CA 94550  
U.S.A.

CATALAN MANUEL DR  
INSTITUT J Y  
OBSERVATORIO MARINA  
SAN FERNANDO CADIZ  
SPAIN

CATCHPOLE ROBIN MICHAEL  
SAAO  
P O BOX 9  
OBSERVATORY 7935  
CAPE  
SOUTH AFRICA

CAUGHLAN GEORGEANNE R  
PROF  
DEPT OF PHYSICS  
MONTANA STATE UNIV  
BOZEMAN MT 59715  
U.S.A.

CAYREL ROGER DR  
OBS DE PARIS  
61 AV L'OBSERVATOIRE  
F-75014 PARIS  
FRANCE

CARR THOMAS D PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY FLORIDA  
GAINESVILLE FL 32611  
U.S.A.

CARRASCO LUIS DR  
INSTITUTO DE  
ASTRONOMIA  
APOD POSTAL 70264  
04510 MEXICO DF  
MEXICO

CARSON T R DR  
UNIVERSITY  
OBSERVATORY  
BUCHANAN GARDENS  
ST ANDREWS FIFE  
U.K.

CARUSI ANDREA  
IST ASTROF SPAZIALE  
REP PLANETOLOGIA  
VIALE DELL'UNIV 11  
I-00185 ROMA  
ITALY

CASH WEBSTER C JR  
LASP BOX 392  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.

CASSE M DR  
SECT D'ASTROPHYSIQUE  
CEN SACLAY  
B P NO 2  
F-91190 GIF-S-YVETTE  
FRANCE

CASTELLI FIORELLA DR  
OBSERVATORIO ASTRO-  
NOMICO  
VIA TIEPOLO 11  
I-34131 TRIESTE  
ITALY

CASWELL J L DR  
CSIRO RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA

CATALANO FRANCESCO A DR  
OBSERVATORIO  
ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY

CATO TORGNY DR  
RODDBAATSGATAN 3  
S-421 71 VAESTRA  
FROELUNDA  
SWEDEN

CAVALIERE ALFONSO G PROF  
ISTITUTO ASTRONOMIC  
UNIVERSITA ROMA  
P A MORO 2  
I-00185 ROMA  
ITALY

CAZENAVE ANNY DR  
CNES-GRGS  
18 AVE EDQUARD BELIN  
F-31400 TOULOUSE  
FRANCE

CARRANZA G J DR  
LAPRIDA 880  
CORDOBA  
ARGENTINA

CARROLL P KEVIN PROF  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND

CARSWELL ROBERT F DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.

CARVER JOHN H PROF  
RESEARCH SCHOOL OF  
PHYSICAL SCIENCES  
AUSTRALIAN NAT UNIV  
CANBERRA A C T 2601  
AUSTRALIA

CASINI CATERINA DR  
ISTITUTTO DI  
ASTRONOMIA  
VIA BRERA 28  
I-20121 MILANO  
ITALY

CASSINELLI JOSEPH P DR  
ASTRONOMY DEPT  
UNIVERSITY WISCONSIN  
MADISON WI 53706  
U.S.A.

CASTELLI JOHN P  
AFGL-PHP  
HANSCOM AFB MA 01731  
U.S.A.

CATALA ASUNCION P DR  
OPTO FIS TIERRA COS  
UNIVERSIDAD  
DE BARCELONA  
BARCELONA 28  
SPAIN

CATALANO SANTO DR  
IST DI ASTRONOMIA  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY

CATURA RICHARD C DR  
LOCKHEED RES LAB  
DEPT 52 12 BLDG 202  
3251 HANOVER ST  
PALO ALTO CA 94304  
U.S.A.

CAYREL DE STROBEL GIUSADR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

CAZZOLA P DR  
OBSERVATORIO ASTRON  
VICOLA DELL  
OBSERVATORIO  
PADOVA  
ITALY

- CECCARELLI M PROF  
ISTITUTO DI FISICA  
GENERALE  
UNIV DI BOLOGNA  
I-40100 BOLOGNA  
ITALY
- CEPLECHA ZDENEK DR  
ASTRONOMICAL INST  
CZECH ACAD SCIENCES  
251 65 ONDREJOV  
OBSERVATORY  
CZECHOSLOVAKIA
- CESARSKY DIEGO A DR  
INST D'ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE
- CHAFFEE FREDERIC H DR  
MT HOPKINS  
OBSERVATORY  
P O BOX 97  
AMADO AZ 85640  
U.S.A.
- CHAMBERLAIN JOSEPH M DR  
ADLER PLANETARIUM  
1300 S LAKE SHORE DR  
CHICAGO IL 60605  
U.S.A.
- CHANDRA SUBHASH  
MIS PHILIP'S LABS  
345 SCARBOROUGH RD  
BRIAR CLIFF NY 10510  
U.S.A.
- CHAPMAN CLARK R DR  
PLANETARY SC INST  
2030 E SPEEDWAY  
SUITE 201  
TUCSON AZ 85719  
U.S.A.
- CHAPRONT J DR  
BUREAU D LONGITUDES  
77 AVE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- CHARVIN PIERRE DR  
INAG  
77 AVENUE DENFERT  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- CHEN BIAO  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- CHEN KWAN-YU PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- CHEREDNICHENKO V I DR  
KIEV POLYTECHNICAL  
INSTITUTE  
252056 KIEV  
U.S.S.R.
- CEFOIA PAUL J DR  
MAIL STATION 64  
C S DRAPER LAB  
555 TECHNOLOGY SQ  
CAMBRIDGE MA 02139  
U.S.A.
- CEPPATELLI GUIDO DR  
OSSERVATORIO ASTRO-  
FISICO DI ARCETRI  
I-50125 FIRENZE  
ITALY
- CESCO CARLOS DR  
OBS ASTR F AGUILAR  
BENAVIDEZ 8175 GESTE  
5407 MARQUESADO  
SAN JUAN  
ARGENTINA
- CHAISSON ERIC J PROF  
HAVERFORD COLLEGE  
HAVERFORD PA 19041  
U.S.A.
- CHAMBERLAIN JOSEPH W PROF  
DEPT SPACE PHYSICS  
AND ASTRONOMY  
RICE UNIVERSITY  
HOUSTON TX 77001  
U.S.A.
- CHANDRASEKHAR S PROF  
933 E 56 STREET  
CHICAGO IL 60637  
U.S.A.
- CHAPMAN GARY A DR  
DEPT PHYSICS ASTRON  
CALIF STATE UNIV  
1811 NORDHOFF ST  
NORTHRIDGE CA 91324  
U.S.A.
- CHAPRONT-TOUZE M DR  
BUREAU D LONGITUDES  
77 AVENUE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- CHAU WAI Y PROF  
PHYSICS DEPT  
QUEEN'S UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA
- CHEN DAOHAN  
PURPLE MOUNTAIN OBS  
NANJING  
PEOPLE'S REPUBLIC CHINA
- CHEN ZUN-GUI  
BEIJING PLANETARIUM  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- CHERPASHCHUK A M DR  
STERNBERG STATE  
ASTRONOMICAL INST  
NOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- CELNIKIER LUDWIK DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- CESARSKY CATHERINE J DR  
INST RECHERCHE FOND  
GEN SACLAY  
DPHG/SAP-BAT 28  
F-91191 GIF-YVETTE  
FRANCE
- CESTER BRUNO PROF  
OSSERVATORIO  
ASTRONOMICO  
VIA TIEPOLO 11  
I-34131 TRIESTE  
ITALY
- CHAMARAJX P DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- CHAMBLISS CARLSON R DR  
KUTZTOWN STATE  
COLLEGE  
KUTZTOWN PA 19530  
U.S.A.
- CHANMUGAN GABESAR PROF  
DEPT OF PHYSICS  
AND ASTRONOMY  
LA STATE UNIVERSITY  
BATON ROUGE LA 70803  
U.S.A.
- CHAPMAN ROBERT D DR  
CODE 680  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.
- CHARLES PHILIP ALLAN  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RQ  
U.K.
- CHAVIRA ENRIQUE SR  
INST NAC ASTROPHYS  
OPTICA Y ELECTRONICA  
AP POSTAL 216 Y 51  
PUEBLA PUE  
MEXICO
- CHEN JIAN-SHENG  
PEKING ASTRONOMICAL  
OBSERVATORY  
ACADEMIA SINICA  
PEKING  
PEOPLE'S REPUBLIC CHINA
- CHENG CHUNG-CHIEH DR  
NAVAL RESEARCH LAB  
CODE 7174C  
WASHINGTON DC 20375  
U.S.A.
- CHERNEGA N A A DR  
OBSERVATORY OF THE  
KIEV UNIVERSITY  
OBSERVATORNAJA 3  
252053 KIEV  
U.S.S.R.

CHERNYKH N S DR  
CRIMEAN ASTRO-  
PHYSICAL OBSERVATORY  
NAUCHNY  
334413 CRIMEA  
U.S.S.R.

CHEVALIER ROGER A DR  
DEPT OF ASTRONOMY  
UNIV OF VIRGINIA  
P O BOX 3818  
CHARLOTTESVIL VA22903  
U.S.A.

CHIOSI CESARE S DR  
ISTITUTO DI  
ASTRONOMIA  
UNIVERSITA DI PADOVA  
I-35100 PADOVA  
ITALY

CHITRE SHASHIKUMAR M DR  
TATA INSTITUTE  
HOMI BHABHA ROAD  
COLABA  
BOMBAY 400005  
INDIA

CHIUDERI CLAUDIO PROF  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

CHMIELEWSKI YVES DR  
OBS DE GENEVE  
51 CHEMIN MAILLETES  
CH-1290 SAUVERNY  
SWITZERLAND

CHOLLET FERNAND  
OBSERVATOIRE PARIS  
61 AVENUE DE  
L OBSERVATOIRE  
F-75014 PARIS  
FRANCE

CHRISTENSEN-DALSGAARD J  
ADVANCED STUDY PROGR  
NCAR  
P O BOX 1470  
BOULDER CO 80302  
U.S.A.

CHRISTIANSEN WILBUR PROF  
MOUNT STROMLO OBS  
PRIVATE BAG  
WODEN P O ACT 2606  
AUSTRALIA

CHRISTY ROBERT F DR  
PROVOST OFFICE  
CALIFORNIA INSTITUTE  
OF TECHNOLOGY  
PASADENA CA 91125  
U.S.A.

CHUN MUN-SUK DR  
DEPT ASTRO/METEOROL  
COLLEGE OF SCIENCE  
YONSEI UNIVERSITY  
SEOUL  
REPUBLIC OF KOREA

CHURMS JOSEPH  
S A ASTRONOMICAL OBS  
P O BOX 9  
OBSERVATORY  
CAPE 7935  
SOUTH AFRICA

CHERTOPRUD V E DR  
HYDROMETEOROLOGICAL  
CENTER OF THE USSR  
123376 MOSCOW  
U.S.S.R.

CHIKADA YOSHIHIRO DR  
NOBEYAMA RADIO OBS  
TOKYO ASTRON OBS  
NOBEYAMA  
NAGANO PREF 334-13  
JAPAN

CHISTYAKOV V E DR  
SOLAR STATION  
PRIMORSKY KRAY  
692533 GORNOTAEZHNOE  
U.S.S.R.

CHIU HONG-YEE DR  
MUDD BLDG RM 828  
COLUMBIA UNIV  
NEW YORK NY 10027  
U.S.A.

CHIUDERI-DRAGO F PROF  
OSSERVATORIO ASTROFI  
SICO DI ARCETRI  
LARGO E FERMI 5  
I-50125 FIRENZE  
ITALY

CHOCHOL DRAHOMIR  
ASTRONOMICAL INST  
SLOVAK ACADEMY OF SC  
05960 TATRANSKA  
LOMNICA  
CZECHOSLOVAKIA

CHOPINET MARGUERITE DR  
OBSERVATOIRE  
DE BORDEAUX  
F-33270 FLOIRAC  
FRANCE

CHRISTIAN CAROL ANN  
CANADA-FRANCE-HAWAII  
TELESCOPE CORP  
BOX 1597  
KAMUELA HI 96743  
U.S.A.

CHRISTOPHE-GLAUME J DR  
SERVICE D'AERONOMIE  
B P NO 3  
F-91370 VERRIERES-LE  
BUISSON  
FRANCE

CHUBB TALBOT A DR  
5023 N 38TH ST  
ARLINGTON VA 22207  
U.S.A.

CHUPP EDWARD L DR  
PHYSICS DEPT  
DEMERRITT HALL  
UNIV NEW HAMPSHIRE  
DURHAM NH 03824  
U.S.A.

CHUVAEV K K DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.

CHEVALIER CLAUDE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

CHINCARINI GUIDO L DR  
DEPT PHYS AND ASTRON  
UNIV OF OKLAHOMA NEL  
SON BD 440 W BROOKS  
NORMAN OK 73069  
U.S.A.

CHITRE D M DR  
COMPUTER SCS CORP.  
8728 COLESVILLE RD  
SILVER SPG MD 20910  
U.S.A.

CHIU LIANG-TIA GEORGE  
T J WATSON RES CTR  
BOX 218  
YORKTOWN HEIGHTS  
NY 10598  
U.S.A.

CHLIETOVSKY FRANCA DR  
OSSERVATORIO ASTRO-  
NOMICO  
BRERA  
MILANO  
ITALY

CHOI RON CHOL  
ACADEMY OF SCIENCES  
PYONGYANG ASTRONOMI-  
CAL OBSERVATORY  
PYONGYANG  
DEM PEOPLE'S REP OF KOREA

CHOU KYONG CHOL PROF  
KYUNG HEE UNIVERSITY  
SEOUL  
REPUBLIC OF KOREA

CHRISTIANSEN WAYNE A  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIV NORTH CAROLINA  
CHAPEL HILL NC 27514  
U.S.A.

CHRISTY JAMES WALTER DR  
EXPLORATORY DEV ST  
U S NAVAL OBS  
WASHINGTON DC 20390  
U.S.A.

CHUGAJNOV P F DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.

CHURCHWELL EDWARD B DR  
WASHBURN OBSERVATORY  
UNIVERSITY WISCONSIN  
475 N CHARTER ST  
MADISON WI 53706  
U.S.A.

CHVOJKOVA WOYK E DR  
ASTRONOMICAL INST  
CZECHO ACAD OF SC  
BUEDESKA 6  
12023 PRAHA 2  
CZECHOSLOVAKIA

CIATTI FRANCO DR  
OBSERVATORIO  
ASTROFISICO  
I-36012 ASIAGO VI  
ITALY

CIMINO MASSIMO A PROF  
VIA A CADLOLO 19  
I-00136 ROMA  
ITALY

CLARK BARRY G DR  
NATIONAL RADIO  
ASTRONOMY OBS  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.

CLARK GEORGE W PROF  
MIT ROOM 37-611  
CAMBRIDGE MA 02139  
U.S.A.

CLARKE DAVID DR  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
GLASGOW G12 8QQ  
U.K.

CLAYTON DONALD D PROF  
DEPT SPACE PHYSICS  
AND ASTRONOMY  
RICE UNIVERSITY  
HOUSTON TX 77001  
U.S.A.

CLEMENT MAURICE J PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
TORONTO  
TORONTO ONT M5S 1A7  
CANADA

CLUBE S V M DR  
ROYAL OBSERVATORY  
EDINBURGH EH9 3HJ  
U.K.

COCKE W JOHN PROF  
STEWART OBSERVATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.

CODINA VIDAL J M DR  
AV JOSE ANTONIO 679  
BARCELONA 13  
SPAIN

COFFEY HELEN E DR  
NOAA  
NGSDC D63  
BOULDER CO 80303  
U.S.A.

COHEN JUDITH DR  
KITTE PEAK NATIONAL  
OBSERVATORY  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.

CID PALACIOS RAFAEL PROF  
FACULTAD DE CIENCIAS  
CIUDAD UNIVERSITARIA  
ZARAGOZA  
SPAIN

CLARIA J DR  
OBSERVATORIO  
ASTRONOMICO  
LAPRIDA 854  
5000 CORDOBA  
ARGENTINA

CLARK DAVID H DR  
SPACE & ASTROPH DIV  
RUTHERFORD APPL LAB  
CHILTON DIOCDT  
OXON OX11 0QX  
U.K.

CLARK THOMAS A DR  
RADIO ASTRO BRANCH  
NASA GODDARD SPACE  
FLIGHT CTR CODE 693  
GREENBELT MD 20771  
U.S.A.

CLARKE THOMAS R DR  
MCLAUGHLIN PLANETAR  
ROYAL ONTARIO MUSEUM  
100 QUEENS PK CRESC  
TORONTO ONT M5S 2C6  
CANADA

CLEGG PETER E DR  
QUEEN MARY COLLEGE  
MILE END RD  
LONDON E1 4NS  
U.K.

CLIFTON KENNETH ST DR  
NASA E S 64  
MARSHALL SFC AL35812  
U.S.A.

CLUTTON-BROCK MARTIN DR  
DEPT MATH ASTRONOMY  
UNIV OF MANITOBA  
WINNIPEG MB R3T 2N2  
CANADA

CODE ARTHUR D  
WASHBURN OBSERVATORY  
UNIV OF WISCONSIN  
MADISON WI 53706  
U.S.A.

COELHO Balsa M C DR  
OBS ASTRONOMICO  
UNIV DE COIMBRA  
COIMBRA  
PORTUGAL

COGAN BRUCE C DR  
MT STROMLO OBS  
PRIVATE BAG  
WODEN P O ACT 2606  
AUSTRALIA

COHEN LEON PROF  
DEPT OF PHYSICS  
HUNTER COLLEGE  
695 PARK AVE  
NEW YORK NY 10021  
U.S.A.

CILLIE G G PROF  
4 MINSERIE STREET  
STELLENBOSCH 7600  
SOUTH AFRICA

CLARK ALFRED JR PROF  
DEPT MECH AND AERO  
SCIENCES  
UNIVERSITY ROCHESTER  
ROCHESTER NY 14627  
U.S.A.

CLARK FRANK OLIVER DR  
DEPT PHYSICS ASTRON  
UNIV OF KENTUCKY  
LEXINGTON KY 40506  
U.S.A.

CLARK THOMAS ALAN DR  
PHYSICS DEPT  
UNIV OF CALGARY  
2920-24 AVENUE N W  
CALGARY ALB T2N 1N4  
CANADA

CLAUSEN JENS VIGGO LEKTOR  
COPENHAGEN UNIVER-  
SITY OBSERVATORY  
BRORFELDE  
DK-4340 TOLLOSE  
DENMARK

CLEGG ROBIN E S DR  
DEPT PHYSICS/ASTRON  
UNIV COLLEGE LONDON  
GOWER STREET  
LONDON WC1E 6BT  
U.K.

CLIMENHAGA JOHN L PROF  
DEPT OF PHYSICS  
UNIVERSITY  
OF VICTORIA  
VICTORIA BC V8W 2Y2  
CANADA

COCHRAN WILLIAM DAVID DR  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.

CODINA LANDABERRY S J DR  
INSTITUTO ASTRONOMI-  
CO I GEOFISICO USP  
CAIXA POSTAL 30627  
01000 SAO PAULO SP  
BRAZIL

COFFEEN DAVID L DR  
INST FOR SPACE STUDY  
2880 BROADWAY  
NEW YORK NY 10025  
U.S.A.

COHEN JEFFREY M DR  
PHYSICS DEPT  
UNIV OF PENNSYLVANIA  
PHILADELPHIA PA19174  
U.S.A.

COHEN MARSHALL H PROF  
CALTECH 102-24  
PASADENA CA 91125  
U.S.A.

- COHEN MARTIN DR  
ASTRONOMY DEPT  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- COLE TREVOR W DR  
ELECTRICAL ENGIN  
UNIV OF SYDNEY  
P O BOX 76  
SYDNEY NSW 2006  
AUSTRALIA
- COLLIN-SJUFFRIN SUZY DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- COLOMB FERNANDO R DR  
INST ARGENTINO DE  
RADIOASTRONOMIA  
CAS DE CORREO NO 5  
1894 VILLA ELISA BA  
ARGENTINA
- COMBES M MR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- CONDON JAMES J DR  
PHYSICS DEPT VA POLY  
TECHN INST STATE UNI  
325 ROBESON HALL  
BLACKSBURG VA 24061  
U.S.A.
- CONNES PIERRE DR  
SERVICE D'ASTRONOMIE  
B P 3  
F-91370 VERRIERES LE  
BUISSON  
FRANCE
- CONTOPOULOS GEORGE PROF  
ASTRONOMY DEPT  
PANEPISTIMIOPOLIS  
ATHENS 521  
GREECE
- COOK ALLAN F DR  
CENTER FOR ASTRONOMY-  
PHYSICS HCO-5A0  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- CORADINI ANGIOLETTA  
IST ASTROF SPAZIALE  
REP PLANETOLOGIA  
VIALE UNIVERSITA 11  
I-00185 ROMA  
ITALY
- CORLISS C H DR  
NATIONAL BUREAU OF  
STANDARDS  
WASHINGTON DC 20234  
U.S.A.
- COSMOVICI CRISTIANO B DR  
INST F OPTOELEKTRON  
DFVLR  
D-8031 WESSLING  
GERMANY, F.R.
- COHEN RAYMOND J DR  
NRAL  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.
- COLGATE STIRLING A DR  
THEORETICAL DIVISION  
LOS ALAMOS SCIENTI-  
FIC LAB MS 210  
LOS ALAMOS NM 87845  
U.S.A.
- COLLINS GEORGE W II PROF  
174 WEST 18TH AVE  
COLUMBUS OH 43210  
U.S.A.
- COLOMBO G PROF DR  
IST MECCANICA APPL  
UNIV DI PADOVA  
VIA F MARZOLO 9  
I-35100 PADOVA  
ITALY
- COMINS NEIL FRANCIS  
BENNETT HALL  
UNIVERSITY OF MAINE  
ORONO ME 04401  
U.S.A.
- CONKLIN EDWARD K  
C O FORTH INC  
2309 PACIFIC CST HWY  
HERMOSA BCH CA 90254  
U.S.A.
- CONTADAKIS M E DR  
DEPT OF GEODETIC  
ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE
- CONWAY ROBIN G DR  
NRAL  
JODRELL BANK  
CHESHIRE SK11 9DL  
U.K.
- COOK JOHN W  
9032 SLEEPY VIEW LN  
SPRINGFIELD VA 22153  
U.S.A.
- CORBIN THOMAS ELBERT DR  
U S NAVAL OBS  
TRANSIT CIRCLE DIV  
WASHINGTON DC 20390  
U.S.A.
- CORNEJO ALEJANDRO A MSS  
INAGE  
APOD POSTAL 216 Y 51  
PUEBLA PUE  
MEXICO
- COSTA ENRICO  
IST ASTROF SPAZIALE  
CASELLA POSTALE 67  
I-00044 FRASCATI  
ITALY
- COLBURN DAVID S DR  
245-3 NASA  
AMES RESEARCH CENTER  
MOFFETT FIELD  
CA 94035  
U.S.A.
- COLIN JACQUES DR  
OBS DE BESANCON  
41 BIS AVE DE L'OBS  
F-25000 BESANCON  
FRANCE
- COLLINSON EDWARD H  
THE COPSE  
CHURCH LANE PLAYFORD  
IPSWICH  
SUFFOLK IP6 9DR  
U.K.
- COMBES FRANCOISE DR  
OBS DE PARIS  
DEPT RADIOASTRONOMIE  
F-92190 MEUDON  
FRANCE
- CONCONI PAOLO DR  
OSSERVATORIO ASTRO-  
NOMICO  
BRERA  
MILANO  
ITALY
- CONNES JANINE DR  
CIRCE  
BAT 506  
F-91440 ORSAY CEDEX  
FRANCE
- CONTI PETER S DR  
JILA  
UNIVERSITY COLORADO  
BOULDER CO 80309  
U.S.A.
- COOK ALAN H PROF  
CAVENDISH LABORATORY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.
- COOKE B A DR  
X-RAY ASTRONOMY  
GROUP PHYSICS DEPT  
THE UNIVERSITY  
LEICESTER LE1 7RH  
U.K.
- CORDES JAMES M  
SPACE SCIENCES BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- CORWIN HAROLD G JR DR  
DEPT OF ASTRONOMY  
RLM 15-212  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- COSTA VICTOR DR  
CORTIJO CARDENETE  
BELICENA GRANADA  
SPAIN

- COSTAIN C C DR  
DIV OF PHYSICS  
NAT RES COUNCIL  
OTTAWA K1A 0R6  
CANADA
- COSTAIN CARMAN H DR  
DOMINION RADIO  
ASTROPHYSICAL OBS  
BOX 249  
PENTICTON BC V2A 6K3  
CANADA
- COSTERO RAFAEL MC  
INST DE ASTRONOMIA  
APDO POSTAL 70-264  
04510 MEXICO DF  
MEXICO
- COUNSELMAN CHARLES C PROF  
MIT DEPT EARTH AND  
PLANETARY SCIENCES  
CAMBRIDGE MA 02139  
U.S.A.
- COUPINOT GERARD DR  
OBSERVATOIRE  
DE TOULOUSE  
1 CAMILLE FLAMMARION  
F-31500 TOULOUSE  
FRANCE
- COURTES GEORGES PROF  
OBSERVATOIRE DE  
MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE
- COUSINS A W J DR  
S A ASTRONOMICAL OBS  
P O BOX 9  
OBSERVATORY  
CAPE TOWN  
SOUTH AFRICA
- COUPEAU PAUL PROF  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE  
FRANCE
- COUTREZ RAYMOND A J PROF  
UNIVERSITE LIBRE DE  
BRUXELLES  
50 AV F D ROOSEVELT  
B-1050 BRUXELLES  
BELGIUM
- COUTTS-CLEMENT CHRISTINE  
M PROF  
DEPT OF ASTRONOMY  
UNIVERSITY TORONTO  
TORONTO ONT M5S 1A7  
CANADA
- COVINGTON ARTHUR E  
269 PLEASANT PARK RD  
OTTAWA ONT K1H 5M7  
CANADA
- COWAN JOHN J DR  
DEPT PHYSICS/ASTRON  
UNIV OF OKLAHOMA  
NORMAN OK 73019  
U.S.A.
- COWIE LENNOX LAUCHLAN DR  
PRINCETON UNIV OBS  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- COWLEY ANNE P DR  
ASTRONOMY DEPT  
UNIVERSITY  
OF MICHIGAN  
ANN ARBOR MI 48109  
U.S.A.
- COWLEY CHARLES R PROF  
ASTRONOMY DEPT  
UNIVERSITY  
OF MICHIGAN  
ANN ARBOR MI 48109  
U.S.A.
- COWLING THOMAS G PROF  
19 HOLLIN GARDENS  
HEADINGLY  
LEEDS LS16 5NL  
U.K.
- COWSIK R DR  
TATA INST FUND RES  
HOMI BHABHA ROAD  
BOMBAY 400 005  
INDIA
- COX ARTHUR N DR  
LOS ALAMOS  
SCIENTIFIC LAB  
P O BOX 1663  
LOS ALAMOS NM 87545  
U.S.A.
- COX DONALD P PROF  
DEPT OF PHYSICS  
GW MADISON  
1150 UNIVERSITY AVE  
MADISON WI 53706  
U.S.A.
- COX JOHN P PROF  
JILA  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80309  
U.S.A.
- COYNE GEORGE V DR  
SPECOLA VATICANA  
I-00120 CITTA DEL  
VATICANO  
ITALY
- CRAIG IAN JONATHAN D DR  
DEPT OF APPLIED MATH  
UNIV OF WAIKATO  
HAMILTON  
NEW ZEALAND
- CRAB LAWRENCE EDWARD DR  
CSIRO  
DIV OF APPLIED PHYS  
P O BOX 218  
LINDFIELD NSW 2070  
AUSTRALIA
- CRAMPION DAVID DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- CRANE PATRICK C  
NRAD  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.
- CRANNELL CAROL JO DR  
NASA-GSFC  
CODE 684  
GREENBELT MD 20771  
U.S.A.
- CRAWFORD DAVID L  
KITT PEAK NATIONAL  
OBSERVATORY  
BOX 26732  
TUCSON AZ 85726  
U.S.A.
- CREZE MICHEL DR  
OBSERVATOIRE DE  
BESANCON  
41 AV L OBSERVATOIRE  
F-25000 BESANCON  
FRANCE
- CRIFO FRANCOISE DR  
DAPHE  
OBSERVATOIRE DE  
MEUDON  
F-92190 MEUDON  
FRANCE
- CRISTALDI SALVATORE DR  
OBSERVATORIO  
ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY
- CRISTESCU CORNELIA G DR  
OBSERVATOIRE  
DE BUCAREST  
75212 BUCAREST  
ROUMANIA
- CRIVELLARI LUCIO  
OSS ASTRONOMIC  
DI TRIESTE  
VIA G B Tiepolo 11  
I-34131 TRIESTE  
ITALY
- CROOM DAVID L DR  
RUTHERFORD & APPLE-  
TON LABS  
CHILTON DICTOT  
OXFORDSHIRE OX11 0QX  
U.K.
- CROVISTIER J DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- CRUIKSHANK DALE P DR  
INST FOR ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.

- CRUISE ADRIAN MICHAEL DR  
MULLARD SPACE SC LAB  
HOLMBURY ST MARY  
DORKING  
SURREY RH5 6NS  
U.K.
- CSADA IMRE K DR  
KONKOLY OBSERVATORY  
BOX 67  
H-1525 BUDAPEST  
HUNGARY
- CUFFEY J MR  
N M STATE UNIV  
DEPT OF EARTH SC AND  
ASTRONOMY  
UNIV PK NM 88001  
U.S.A.
- CULHANE LEONARD DR  
MULLARD SPACE SC LAB  
HOLMBURY ST MARY  
DORKING  
SURREY RH5 6NS  
U.K.
- CUNY YVETTE J DR  
OBSERVATOIRE DE  
MEUDON  
PLACE JANSEN  
F-92190 MEUDON  
FRANCE
- CURRIE DOUGLAS G DR  
DEPT PHYSICS ASTRON  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- D'ODORICO SANDRO DR  
ESO  
K SCHWARZSCHILD ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.
- DA ROCHA VIEIRA E DR  
INT DE FISICA  
UNIV FEDERAL DA  
RIO GRANDE DO SUL  
90000 PORTO ALLEGRE  
BRAZIL
- DACHS JOACHIM PROF DR  
ASTRONOMISCHES INST  
RUHR-UNIVERSITAET  
POSTFACH 102148  
D-4630 BOCHUM 1  
GERMANY, F.R.
- DAEPPEN WERNER  
INST OF ASTRONOMY  
CAMBRIDGE CB3 0HA  
U.K.
- DAINTREE EDWARD J DR  
NUFFIELD RADIO ASTRO  
NOMY LABS  
JODRELL BANK  
MACCLESFIELD SK119DL  
U.K.
- DALLAPORTA N PROF  
ISTITUTO ASTRONOMIA  
UNIVERSITA  
VICOLO OSSERVATORIO  
I-35100 PADOVA  
ITALY
- CRUTCHER RICHARD M DR  
UNIVERSITY OF  
ILLINOIS OBSERVATORY  
URBANA IL 61801  
U.S.A.
- CUDABACK DAVID D DR  
RADIO ASTRONOMY LAB  
UNIVERSITY  
OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- CUGNON PIERRE DR  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
AVE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM
- CULVER ROGER BRUCE DR  
DEPT OF PHYSICS  
COLORADO STATE UNIV  
FT COLLINS CO 80523  
U.S.A.
- CUPERMAN SAMI PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
TEL-AVIV UNIVERSITY  
RAMAT-AVIV  
ISRAEL
- CZYKAK STANLEY J DR  
ASTRONOMY DEPT  
OHIO STATE UNIV  
174 W 18TH ST  
COLUMBUS OH 43210  
U.S.A.
- DA COSTA GARY STEWART  
DEPT OF ASTRONOMY  
YALE UNIVERSITY  
BOX 6666  
NEW HAVEN CT 06511  
U.S.A.
- DA SILVA A V C S  
OBS ASTRONOMIC  
UNIV SANTA CLARA  
COIMBRA  
PORTUGAL
- DADAEV ALEKSANDR N DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- DAHN CONARD CURTIS DR  
U S NAVAL OBS  
P O BOX 1149  
FLAGSTAFF AZ 86002  
U.S.A.
- DAISHIDO TSUNEAKI DR  
DEPT OF SCIENCE  
SCHOOL OF EDUCATION  
WASEDA UNIVERSITY  
SHINJUKU-KU TOKYO  
JAPAN
- DALTAUIT ENRIQUE DR  
INSTITUTO DE  
ASTRONOMIA UNAM  
APO POSTAL 70264  
MEXICO DF  
MEXICO
- CRUVELLIER PAUL E DR  
LAB ASTRO SPATIALE  
TRAVERSE DU SIPHON  
LES TROIS LUCS  
F-13012 MARSEILLE  
FRANCE
- CUDWORTH KYLE MCCABE DR  
YERKES OBS  
WILLIAMS BAY WI53191  
U.S.A.
- CUGUSTI LEONINO DR  
IST DI ASTRONOMIA  
UNIVERSITA  
CAGLIARI  
ITALY
- CUNNINGHAM LELAND E PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- CURIR ANNA  
OSS ASTRONOMIC  
DI  
TORINO  
STRADA OSS 20  
10025 PINO TORINESE  
ITALY
- D'ANTONA FRANCESCA DR  
OSSERVATORIO ASTRO-  
NOMICO  
I-00100 ROMA  
ITALY
- DA COSTA JOSE MARQUES DR  
INST PESQUISAS  
ESPACIAIS  
INPE C P 515  
12200 S JOSE CAMPOS  
BRAZIL
- DA SILVA LICIO DR  
OBSERVATORIO NACION  
R GEN BRUCE 586  
S CRISTOVAO  
20000 RIO DE JANEIRO  
BRAZIL
- DADIC ZARKO DR  
INST SCIENCE HISTORY  
YUGOS ACAD SC ART  
DEMETROVA 18  
41000 ZAGREB  
YUGOSLAVIA
- DAIGNE GERARD G  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- DALGARNO ALEXANDER PROF  
HARVARD COLLEGE OBS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- DAMBARA TAKESHI PROF  
SHIZUOKA UNIVERSITY  
OTANI SHIZUOKA 422  
JAPAN

- DANBY J M ANTHONY DR  
DEPT OF MATHEMATICS  
NORTH CAROLINA STATE  
UNIVERSITY  
RALEIGH NC 27607  
U.S.A.
- DANZIGER I JOHN DR  
ESO  
K SCHWARZSCHILD ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.
- DATLOWE AYTON DR  
LOCKHEED P A RES LAB  
DEPT 52-12 BLDG 202  
3251 HANOVER STREET  
PALO ALTO CA 94304  
U.S.A.
- DAVIDSEN ARTHUR FALNES DR  
DEPT OF PHYSICS  
JOHNS HOPKINS UNIV  
CHARLES AND 34TH STS  
BALTIMORE MD 21218  
U.S.A.
- DAVIES JOHN G DR  
NRAL  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DC  
U.K.
- DAVIES RODNEY D PROF  
NUFFIELD RADIO  
ASTRONOMY LABS  
JODRELL BANK  
MACCLESFIELD SK119DL  
U.K.
- DAVIS LEVERETT JR PROF  
405-47 CALTECH  
PASADENA CA 91125  
U.S.A.
- DAVIS MORRIS S PROF  
DEPT PHYS ASTRONOMY  
UNIV NORTH CAROLINA  
284 PHILLIPS H 039A  
CHAPEL HILL NC 27514  
U.S.A.
- DAWE JOHN ALAN DR  
U K S T U  
PRIVATE BAG  
SIDING SPRING OBS  
COONABARABRAN 2857  
AUSTRALIA
- DE BOER KLAAS S DR  
ASTRONOMISCHES INST  
UNIV TUEBINGEN  
WALDHAUSER STR 64  
D-7400 TUEBINGEN  
GERMANY, F.R.
- DE FELICE FERNANDO DR  
IST FISICA GALILEO  
GALILEI  
UNIVERSITA DI PADOVA  
I-35100 PADOVA  
ITALY
- DE GRAAFF W DR  
STERREKUNDIG INST  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS
- DANESE LUIGI DR  
OSSERVATORIO ASTRO-  
NOMICO  
I-35100 PADOVA  
ITALY
- DARIUS JON  
UNIVERSITY COLLEGE  
DEPT OF PHYSICS &  
ASTRONOMY  
LONDON WC1E 6BT  
U.K.
- DAUBE-KURZEMNIECE I A DR  
RADIOASTROPHYSICAL  
OBSERVATORY LATVIAN  
ACADFMY OF SCIENCES  
226026 RIGA  
U.S.S.R.
- DAVIDSON KRIS DR  
SCHOOL PHYS AND ASTR  
UNIV OF MINNESOTA  
116 CHURCH ST S E  
MINNEAPOLIS MN 55455  
U.S.A.
- DAVIES MERTON E MR  
1414 SAN REMO DRIVE  
PACIFIC PALISADES  
CA 90272  
U.S.A.
- DAVIS CECIL G JR  
UNIVERSITY OF  
CALIFORNIA LASL  
BOX 1663 MS 420  
LOS ALAMOS NM 87545  
U.S.A.
- DAVIS MARC DR  
DEPT OF ASTRONOMY  
HARVARD UNIVERSITY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- DAVIS RICHARD J DR  
NUFFIELD RADIO  
ASTRONOMY LABS  
JODRELL BANK  
MACCLESFIELD SK119DL  
U.K.
- DE BERGH C DR  
GROUPE PLANETES  
SECT D\*ASTROPHYSIQUE  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- DE BRUYN ANTONIUS G DR  
RADIOSTERREWACHT  
POSTBUS 2  
7990 AA DWINGELUD  
THE NETHERLANDS
- DE FREITAS PACHECO J A DR  
OBSERVATORIO DE SAO  
PAULO USP  
CAIXA POSTAL 30627  
SAO PAULO  
BRAZIL
- DE GRAAUW TH DR  
ESA  
SPACE SCIENCE DEPT  
POSTBUS 299  
2200 AG NOORDWIJK  
THE NETHERLANDS
- DANKS ANTHONY C R  
ESO  
SCHLEISSHEIMER ST 17  
D-8046 GARCHING B M  
GERMANY, F.R.
- DAS MRINAL KANTI  
DEPT OF PHYSICS  
UNIVERSITY OF DELHI  
DHAULA KUAN  
NEW DELHI 110 021  
INDIA
- DAUTCOURT G DR  
ZENTRINST ASTROPHYS  
STERNWARTF BAPELSB  
R LUXEMBURG STR 17A  
DDR-1502 POTSDAM  
G.D.R.
- DAVIDSON WILLIAM PROF  
MATHEMATICS DEPT  
UNIVERSITY OF OTAGO  
P O BOX 56  
DUNEDIN  
NEW ZEALAND
- DAVIES PAUL C W  
SCHOOL OF PHYSICS  
THE UNIVERSITY  
MEWCASTLE  
-UPON-TYNE NE1 7RU  
U.K.
- DAVIS JOHN DR  
SCHOOL OF PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- DAVIS MICHAEL M DR  
ARECIBO OBSERVATORY  
P O BOX 995  
ARECIBO PR 00612  
U.S.A.
- DAVIS ROBERT J DR  
CENTER FOR ASTRO  
PHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- DE BIASI G A DR  
OSS ASTRONOMIC0  
VIALE DEL PARCO  
MELLINI 84  
ROMA  
ITALY
- DE CASTRO A DR  
OBSERVATORIO  
ASTRONOMIC0  
ALFONSO XII 5  
MADRID 7  
SPAIN
- DE GRAAF T DR  
INST VOOR FONETISCHE  
WETENSCHAPPEN  
GROTE ROZENSTRAAT 31  
9712 TG GRONINGEN  
THE NETHERLANDS
- DE GREVE JEAN PIERRE DR  
ASTROPHYSICAL INST  
V O B PLEINLAAN 2  
B-1050 BRUSSELS  
BELGIUM



- DE GROOT MART DR  
ARMAGH OBSERVATORY  
ARMAGH BT61 9DG  
U.K.
- DE JAGER G DR  
DEPT OF PHYSICS  
RHODES UNIVERSITY  
P O BOX 94  
GRAHAMSTOWN 6140  
SOUTH AFRICA
- DE KORT JULES J DR  
HOUTLAAN 4  
6500 GV NIJMEGEN  
THE NETHERLANDS
- DE LA NDE JEROME DR  
OBS DE BORDEAUX  
AV PIERRE SEMIRIT  
F-33270 FLOIRAC  
FRANCE
- DE MARCJS WENDELL C PROF  
UNIVERSITY OF  
KENTUCKY-LEXINGTON  
LEXINGTON KY 40506  
U.S.A.
- DE SABBATA V PROF DR  
IST DI FISICA  
UNIV DI BOLOGNA  
VIA IRNERIO 46  
I-40100 BOLOGNA  
ITALY
- DE YOUNG DAVID S DR  
KITT PEAK NAT OBS  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- DEBARBAT SUZANNE V DR  
OBS DE PARIS  
61 AV L'OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- DECAUX BERNARD  
20 RUE BOIS LE VENT  
F-75016 PARIS  
FRANCE
- DEGEWIJ JOHAN DR  
MPI FUER AERONOMIE  
POSTFACH 20  
D-3411 KATLENBURG-  
LINDAU 3  
GERMANY, F.R.
- DEHARVENG LISE DR  
OBS DE MARSEILLE  
2 PLACE LF VERRIER  
F-13248 MARSEILLE C4  
FRANCE
- DEKKER F DR  
MUSEUM BOERHAVE  
STEENSTRAAT 1A  
2312 BS LEIDEN  
THE NETHERLANDS
- DE GROOT T DR  
STERREKUNDIG  
INSTITUUT  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS
- DE JONG T DR  
ASTRONOMICAL INST  
ROETERSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- DE KORTE P A J DR  
COSMIC RAY WORKING  
GROUP HUYGENS LAB  
WASSENAARSEWEG 78  
2300 RA LEIDEN  
THE NETHERLANDS
- DE LA REZA RAMIRO DR  
OBSERVATORIO  
NACIONAL  
R GEN BRUCE 586 ZC08  
20000 RIO DE JANEIRO  
BRAZIL
- DE MOTTONI Y PALACTOS DR  
PRIVAT OBSERVATORY  
VIA ROSSELLI 15-23  
I-16145 GENOVA  
ITALY
- DE VAUCOULEURS G PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- DE ZOTTI GIANFRANCO DR  
OBSERVATORIO ASTRO-  
NOMICO  
I-35100 PADOVA  
ITALY
- DEBEHOEGNE HENRI DR SC  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
3 AVE CIRCULAIRE  
B-1180 BRUXELLES  
BELGIUM
- DEEMING T J DR  
DIGITAL GEOPH CORP  
3701 KIRBY DR  
SUITE 1144  
HOUSTON TX 77098  
U.S.A.
- DEGUCHI SHUJI DR  
C/O DEPT ASTRONOMY  
FACULTY OF SCIENCE  
TOKYO UNIVERSITY  
BUNKYO-KU TOKYO 113  
JAPAN
- DEINZER W PROF DR  
UNIVERSITAETS-  
STERNWART  
GETSMARLANDSTR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.
- DEL RIO GERARDO DR  
NATIONAL ASTRON OBS  
ALFONSO XII 3  
MADRID 7  
SPAIN
- DE JAGER CORNFELIS PROF  
THE ASTRONOMICAL  
INSTITUTE  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS
- DE JONGE J K DR  
DEPT OF ASTRONOMY  
UNIV OF PITTSBURGH  
RIVERVIEW PARK  
PITTSBURGH PA 15214  
U.S.A.
- DE LA HERRAN V JOSE ENG  
INSTITUTO DE  
ASTRONOMIA MEXICO  
AP POSTAL 971  
MEXICO 1 DF  
MEXICO
- DE LOORE CAMIEL PROF  
ASTROPHYSICAL INST  
VRIJE UNIVERSITEIT  
VAN BRUSSEL  
9-1050 BRUSSELS  
BELGIUM
- DE PASCUAL MARTINEZ M DR  
OBSERVATORIO  
ASTRONOMICO  
ALFONSO XII 5  
MADRID 7  
SPAIN
- DE VEGT CHR PROF DR  
HAMBURGER STERNWART  
GOJENBERGSWEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.
- DEARBORN DAVID S P DR  
STEWART OBS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- DEBRUNNER HERMANN DR  
PHYSIKALISCHES INST  
UNIVERSITAET BERN  
SIDLERSTRASSE 5  
CH-3000 BERN  
SWITZERLAND
- DEERENBERG AD J DR  
COSMIC RAY WORKING  
GROUP HUYGENS LAB  
WASSENAARSEWEG 78  
2300 RA LEIDEN  
THE NETHERLANDS
- DEHARVENG JEAN MICHEL DR  
LAS TRAVERSE DU STP-  
HON LES TROIS LUCS  
F-13012 MARSEILLE  
FRANCE
- DEJAIFFE RENE J DR  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
AVE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM
- DELABOUJINIÈRE J P  
LPSP  
B P 10  
F-91370 VERRIERES-LE-  
-RUISSON  
FRANCE

- DELACHE PHILIPPE J DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE
- DELANNAY JEAN DR  
IRAM - VOIE 1J  
DOMAINE UNIVERSITAIRE  
F-38406 ST MARTIN  
D'HERES  
FRANCE
- DELBUILLE LUC PROF  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
B-4200 COINTE OUGREE  
BELGIUM
- DELCROIX ANDRE J S DR  
19A R E VANDERVELDE  
B-7230 FRAMERIES  
BELGIUM
- DELHAYE JEAN PROF  
OBSERVATOIRE PARIS  
61 AVE DE  
L OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- DELLI SANTI SAVERIO  
OSS ASTRONOMICCO  
UNIVERSITARIO  
CASELLA POSTALE 596  
I-40100 BOLOGNA  
ITALY
- DELSEMME ARMAND H PROF DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY OF TOLEDO  
TOLEDO OH 43606  
U.S.A.
- DEMARCO JEAN L ING  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- DEMARET JACQUES DR  
158/033 AVENUE DE  
L'OBSERVATOIRE  
B-4000 LIEGE  
BELGIUM
- DEMARQUE P PROF  
YALE UNIV OBS  
260 WHITNEY AVE  
BOX 6665  
NEW HAVEN CT 06511  
U.S.A.
- DEMENKO A A DR  
KIEV STATE UNIVERSI-  
TY ASTRONOMICAL OB-  
SERVATORY  
252053 KIEV  
U.S.S.R.
- DEMERS SERGE DR  
DEPT DE PHYSIQUE  
UNIV DE MONTREAL  
CP 6128 SUCC A  
MONTREAL PQ H3C 3J7  
CANADA
- DEMIN V G PROF DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- DEMIRCAN OSMAN DR  
EGE UNIVERSITY OBS  
BORNova-IZMIR  
TURKEY
- DENIS CARLO DR  
INST D'ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
AVENUE DE COINTE 5  
B-4200 COINTE-OUGREE  
BELGIUM
- DENISSE JEAN-FRANCOIS DR  
48 RUE M. LE PRINCE  
F-75006 PARIS  
FRANCE
- DENISYUK EDVARD K DR  
ASTROPHYSICAL INST  
480068 ALMA ATA  
U.S.S.R.
- DENNIS BRIAN ROY DR  
NASA-GSFC  
CODE 684  
GREENBELT MD 20771  
U.S.A.
- DENNISON BRIAN KENNETH  
PHYSICS DEPT  
VIRGINIA POLYTECHNIC  
INSTITUTE  
BLACKSBURG VA 24061  
U.S.A.
- DENNISON E W DR  
ELECTRONIC VISION CO  
11526 SORRENTO  
VALLEY ROAD  
SAN DIEGO CA 92121  
U.S.A.
- DENNISON P A DR  
DEPT OF PHYSICS  
UNIV OF ADELAIDE  
ADELAIDE SA 5001  
AUSTRALIA
- DENOYELLE JZEF KIC  
VICTOR ALLARDSTR 126  
B-1180 BRUXELLES  
BELGIUM
- DENT WILLIAM A PROF  
PHYSICS ASTRONOMY  
DEPT GRC TOWER B  
UNIVERSITY OF MASS  
AMHERST MA 01002  
U.S.A.
- DEPRIT ANDRE PROF  
CTR FOR APPLIED MATH  
NATIONAL BUREAU OF  
STANDARDS  
WASHINGTON DC 20234  
U.S.A.
- DERE KENNETH PAUL  
CODE 4163  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.
- DERMAN I ETHEM DR  
ANKARA UNIVERSITY  
FACULTY OF SCIENCE  
ANKARA  
TURKEY
- DERMENDJIEV VLADIMIR DR  
DEPT OF ASTRONOMY  
BULGARIAN ACAD OF SC  
7TH NOVEMBER STR 1  
SOFIA  
BULGARIA
- DESAI JYOTINDRA N  
PHYS RESEARCH LAB  
AHMEDABAD 380 009  
INDIA
- DESEQUELLES JEAN DR  
UNIVERSITE LYON I  
CAMPUS LA DJUA  
F-69621 VILLEURBANNE  
FRANCE
- DESPAIN KEITH HOWARD DR  
DEPT OF ASTRONOMY  
HAVERFORD COLLEGE  
HAVERFORD PA 19041  
U.S.A.
- DEUBNER FRANZ-LUDWIG DR  
INST F ASTRONOMIE U  
ASTROPHYSIK DER UNIV  
AM HUBLAND  
D-8700 WUERZBURG  
GERMANY, F.R.
- DEUPREE ROBERT G DR  
DEPT OF ASTRONOMY  
BOSTON UNIV  
725 COMMONWEALTH AVE  
BOSTON MA 02215  
U.S.A.
- DEUTSCH ALEKSANDR N  
PROF DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- DEUTSCHMAN W.A. DR.  
DEPT. PHYSICS ASTRON.  
ROSE-HULMAN INST.  
5500 WABASH AVE.  
TERRE HAUTE IN 47803  
U.S.A.
- DEVINNEY E J DR  
100 UNION AVE  
DELANCO NJ 08075  
U.S.A.
- DEWDNEY P E F DR  
186 MATSON PL  
PENTICTON BC  
CANADA

- DEWHIRST DAVID W DR  
INST OF ASTRONOMY  
THE OBSERVATORIES  
MADINGLEY RD  
CAMBRIDGE CB3 0HA  
U.K.
- DEWITT B S DR  
DEPT OF PHYSICS  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- DEWITT JOHN H JR  
3602 HODDS HILLS RD  
NASHVILLE TN 37215  
U.S.A.
- DEWITT-MORETTE C PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- DI SEREGO ALIGHTIERI S DR  
ASTRONOMY DIV OF ESA  
ESTEC  
P O BOX 299  
2200 AG NOORDWIJK  
THE NETHERLANDS
- DI TULLIO GRAZIELLA DR  
OSSERVATORIO ASTRONOMIC  
1-35100 PADOVA  
ITALY
- DIBAY E A DR  
STERNBERG STATE ASTRONOMIC  
INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- DICKEL JOHN R ASSOC PROF  
UNIVERSITY OF ILLINOIS  
ILLINOIS OBSERVATORY  
URBANA IL 61801  
U.S.A.
- DICKENS ROBERT J DR  
ROYAL GREENWICH OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- DICKINSON DALE F DR  
JPL  
183-301  
4800 JAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- DIECKVOSS WILHELM KE PROF  
HAMBURGER STERNWARTE  
D-2050 HAMBURG 80  
GERMANY, F.R.
- DIERCKSEN GEERD H F PH D  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- DIETER N H DR  
RADIO ASTRONOMY LAB  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- DIMITRIJEVIC MILAN  
INST ZA PRIMENJENU  
FIZIKU MARSALA-BIR  
JUZOVA 14 A POSTE 24  
YU-11001 BEOGRAD  
YUGOSLAVIA
- DINESCU A DR  
INST GEODESIE PHOTO-  
GRAMMETRIE CARTOGRAF  
IA BO DE LEXPOSITION  
78334 BJAREST  
ROUMANIA
- DING YOU-JI  
YUNNAN OBSERVATORY  
KUNMING  
YUNNAN PROVINCE  
PEOPLE'S REPUBLIC CHINA
- DINGENS P PROF DR  
STERRENKUNDIG INST  
RIJKSUNIVERSITEIT  
KORTRIJKSE STEEG 523  
B-9000 GENT  
BELGIUM
- DINULESCU NICOLAE I PROF  
SOSEANA KISELEFF 13  
72168 BUCURESTI  
SECTOR 1  
ROUMANIA
- DIONYSIOU DEMETRIOS D DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF ATHENS  
ATHENS 521  
GREECE
- DIRIKIS M A DR  
LATVIAN STATE UNIVER  
SITY ASTRONOMICAL  
OBSERVATORY  
226098 RIGA  
U.S.S.R.
- DISNEY MICHAEL J DR  
UNIVERSITY COLLEGE  
DEPT OF APPLIED MATH  
& THEOR PHYS  
CARDIFF CF1 1XL  
U.K.
- DIVAN LUCIENNE DR  
INSTITUT  
ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE
- DIVARI N B DR  
ODESSA POLYTECHNICAL  
INSTITUTE  
270044 ODESSA  
U.S.S.R.
- DIXON ROBERTS S DR  
OHIO STATE UNIVER-  
SITY RADIO OBS  
2015 NEIL AVE  
COLUMBUS OH 43210  
U.S.A.
- DIZER MUAMMER PROF  
KANDILLI OBSERVATORY  
GENGELKJY  
ISTANBUL  
TURKEY
- DJUROVIC DRAGUTIN M DR  
DEPT OF ASTRONOMY  
FAC OF SCIENCES  
STUDENTSKI TRG 16  
11000 BEOGRAD  
YUGOSLAVIA
- DLUZHNEVSKAYA O B DR  
ASTRONOMICAL COUNCIL  
USSR ACAD OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- DOAN H H DR  
OBSERVATOIRE DE LYON  
F-69230 SAINT-GENIS  
LAVAL  
FRANCE
- DOAZAN VERA DR  
OBSERVATOIRE  
DE PARIS  
61 AVE L OBSERVATOIR  
F-75014 PARIS  
FRANCE
- DOBROVOLSKY OLEG V PROF  
INST OF ASTROPHYSICS  
734670 DUSHANBE  
U.S.S.R.
- DOBRITSHEV V M MR  
DEPT OF ASTRONOMY  
7TH NOVEMBER ST 1  
SOFIA  
BULGARIA
- DOBROVOLSKY OLEG V PROF  
INST OF ASTROPHYSICS  
734670 DUSHANBE  
U.S.S.R.
- DOBRYZCKI JERZY PROF  
GWIAZDZISTA 27/169  
01-814 WARSZAWA  
POLAND

DODD RICHARD J DR  
CARTER OBSERVATORY  
P O BOX 2909  
WELLINGTON 1  
NEW ZEALAND

DOHERTY LOWELL R PROF  
ASTRONOMY DEPT  
UNIVERSITY WISCONSIN  
475 N CHARTER ST  
MADISON WI 53706  
U.S.A.

DOLGINOV ARKADY Z PROF DR  
LOFFE PHYSICAL  
TECHNICAL INSTITUTE  
194021 LENINGRAD  
U.S.S.R.

DOMINKO FRAN PROF DR  
SARANOVICEVA 11  
61000 LJUBLJANA  
YUGOSLAVIA

DOMMANGET J DR  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
AVE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM

DOPITA MICHAEL A DR  
MT STROMLO  
OBSERVATORY  
PRIVATE BAG  
WODEN PJ ACT 2606  
AUSTRALIA

DOROSHKEVICH A G DR  
INSTITUTE F APPLIED  
MATHEMATICS  
USSR ACADEMY OF SCI  
125047 MOSCOW  
U.S.S.R.

DOSCHEK GEORGE A DR  
NAVAL RESEARCH  
LABORATORY  
CODE 7125-8  
WASHINGTON DC 20375  
U.S.A.

DOUGLAS A VIBERT DR  
402 67 SYDENHAM ST  
KINGSTON ONT K7L 3H2  
CANADA

DOWNES DENNIS D DR  
IRAM - VOIE 10  
DOMAINE UNIVERSITAIRE  
F-38420 ST MARTIN  
D'HERES  
FRANCE

DRAMBA C PROF  
CBS ASTRONOMIQUE  
5 CUTITUL DE ARGINT  
P.O. BOX 28  
75212 BUCAREST  
ROUMANIA

DRAVSKIKH A F DR  
SPECIAL ASTROPHYSI-  
CAL OBS USSR ACAD SC  
LENINGRAD BRANCH  
196140 LENINGRAD  
U.S.S.R.

DOGAN NADIR PROF  
A U FEN FAKULTEST  
ANKARA  
TURKEY

DOKUCHAEVA D D DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.

DOLIDZE M V DR  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.R.

DOMINSKI IRENEUSZ DR  
BOROWIEC  
63-120 KORNIK  
POLAND

DONN BERTRAM D  
GODDARD SPACE FLIGHT  
CENTER  
CODE 691  
GREENBELT MD 20771  
U.S.A.

DORENWENDT KLAUS DR  
PHYSIKALISCH-TECHN.  
BUNDESANSTALT  
BUNDESALLEE 100  
D-3300 BRAUNSCHWEIG  
GERMANY, F.R.

DORSCHNER JOHANN DR  
UNIVERSITAETS  
STERNWARTEN JENA  
SCHILLERGAESSCHEN 2  
DDR-69 JENA  
G.D.R.

DOSSIN F DR  
UNIVERSITE DE LIEGE  
INST D ASTROPHYSIQUE  
AVE DE COINTE 5  
B-4200 COINTE DOUGREE  
BELGIUM

DOUGLAS JAMES N PROF  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.

DOWNES GEORGE S DR  
JPL  
MAIL STOP 238/420  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.

DRAPATZ SIEGFRIED W DR  
MPI F EXTRATERRESTRI-  
SCHE PHYSIK  
D-8046 GARCHING  
GERMANY, F.R.

DRECHSEL HORST DR  
REMEIS-STERNWARTEN  
ASTR INST UNIV ERL-N  
STERNWARTSTR 7  
D-8600 BAMBERG  
GERMANY, F.R.

DOHERTY LORNE H DR  
HERZBERG INST OF  
ASTROPHYSICS  
NAT RES COUNCIL CANADA  
OTTAWA ONT KIA 0R6  
CANADA

DOLAN JOSEPH F DR  
CODE 681  
NASA GODDARD SPACE  
FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.

DOLLFUS AUDOIN PROF  
OBSERVATOIRE DE  
MEUDON  
F-92190 MEUDON  
FRANCE

DOMKE HELMUT PH D  
ZENTR INST ASTROPHYS  
DER ADW DER DDR  
ROSA-LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.

DONNER KARL JOHN DR  
OBS & ASTROPHYS LAB  
UNIV OF HELSINKI  
TAEHTITORNINMAEKI  
SF-00130 HELSINKI 13  
FINLAND

DORMAND JOHN R DR  
MATHEMATICS DEPT  
TESSIDE POLYTECHNIC  
MIDDLESBROUGH  
CLEVELAND TS1 3BA  
U.K.

DOS REIS M PROF  
DIRECTOR OF THE  
OBSERVATORY  
COIMBRA  
PORTUGAL

DOUGHTY NOEL A DR  
PHYSICS DEPT  
UNIVERSITY OF  
CANTERBURY  
CHRISTCHURCH 1  
NEW ZEALAND

DOWNES ANN JULIET B  
MULLARD RADIO  
ASTRONOMY OBS  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.

DRAKE FRANK D PROF  
N A I C  
402 SPACE SCI BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.

DRAVINS DAINIS DR  
LUND OBSERVATORY  
SVANEGATAN 9  
S-222 24 LUND  
SWEDEN

DRESSSEL LINDA L  
NASA GSFC  
CODE 661  
GREENBELT MD 20771  
U.S.A.

- DRESSLER KURT PROF  
LAB PHYSIK CHEMIE  
ETH ZENTRUM  
CH-8092 ZUERICH  
SWITZERLAND
- DROFA VASILYI K DR  
ASTRONOMICAL OBS  
KIEV UNIVERSITY  
252053 KIEV  
U.S.S.R.
- DUBINSKIY B A DR  
INSTITUTE OF RADIO  
AND ELECTRONICS USSR  
ACADEMY OF SCIENCES  
103907 MOSCOW  
U.S.S.R.
- DUBOV EMIL E PROF  
WDC-82  
MOLODEZHAYA 3  
117296 MOSCOW  
U.S.S.R.
- DUERST JOHANNES DR  
SWISS FEDERAL OBS  
SCHMELZBERGSTR 25  
CH 8006 ZUERICH  
SWITZERLAND
- DUFLOT MARCELLE DR  
OBSERVATOIRE DE  
MARSEILLE  
2 PLACE LE VERRIER  
F-13248 MARSEILLE C4  
FRANCE
- DUFTON PHILIP L DR  
DEPT OF APPLIED MATH  
QUEEN'S UNIVERSITY  
BELFAST BT7 1NN  
U.K.
- DULTZIN DEBORAH DR  
INSTITUTO DE  
ASTRONOMIA UNAM  
APOD POSTAL 70264  
MEXICO 04510 DF  
MEXICO
- DUMONT SIMONE DR  
INST D'ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- DUNHAM DAVID W  
COMPUTER SCS CORP  
8728 COLESVILLE RD  
SILVER SPR MD 20910  
U.S.A.
- DUNN RICHARD B DR  
SACRAMENTO PEAK  
OBSERVATORY  
SUNSPOT NM 88349  
U.S.A.
- DURISEN RICHARD H DR  
DEPT OF ASTRONOMY  
SWAIN WEST 319  
INDIANA UNIV  
BLOOMINGTON IN 47401  
U.S.A.
- DREVER RONALD W P DR  
DEPT OF NATURAL PHIL  
GLASGOW UNIVERSITY  
GLASGOW G12 8QQ  
U.K.
- DRYER MURRAY DR  
SPACE ENVIRONMENT  
LAB  
NOAA ERL  
BOULDER CO 80302  
U.S.A.
- DUBOIS PASCAL DR  
OBS DE STRASBOURG  
11 RUE DE L'UNIV  
F-67000 STRASBOURG  
FRANCE
- DUCHESNE MAURICE DR  
OBSERVATOIRE  
DE PARIS  
61 AVE OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- DUFAY MAURICE PROF  
UNIVERSITE CLAUDE-  
BERNARD-LYON I  
43 BD DU 11 NOVEMBRE  
F-69621 VILLEURBANNE  
FRANCE
- DUFLOT RENEE DR  
OBSERVATOIRE  
DE MARSEILLE  
F-13004 MARSEILLE  
FRANCE
- DULEY WALTER W PROF  
PHYSICS DEPT  
YORK UNIVERSITY  
DOWNSVIEW ONT M3J1P3  
CANADA
- DUMA DMITRIY P DR  
MAIN ASTRONOMICAL OB  
UKRAINIAN ACADEMY OF SC  
252127 KIEV  
U.S.S.R.
- DUNCAN ROBERT A PROF  
CSIRO  
DIV OF RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- DUNHAM THEODORE JR DR  
P O BOX 0  
CHOCORUA NH 03817  
U.S.A.
- DUPREE ANDREA K DR  
CTR F ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- DURNEY BERNARD R DR  
SACRAMENTO PEAK OBS  
SUNSPOT NM 88349  
U.S.A.
- DRILLING JOHN S  
DEPT OF PHYSICS AND  
ASTRONOMY  
LOUISIANA STATE UNIV  
BATON ROUGE LA 70803  
U.S.A.
- DUBAU J DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- DUBOSHIN G N PROF DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- DUERBECK HILMAR W DR  
OBS HOHER LIST  
UNIV STERNWARTEN BONN  
D-5568 DAUN  
GERMANY, F.R.
- DUFFETT-SMITH P J  
MULLARD RADIO  
ASTRONOMY OBS  
CANNONISH ROAD  
CAMBRIDGE CB3 0HE  
U.K.
- DUFOUR REGINALD JAMES  
SPACE PHYSICS DEPT  
RICE UNIVERSITY  
HOUSTON TX 77001  
U.S.A.
- DULK GEORGE A PROF  
DEPT ASTRO-GEOPHYS  
UNIV OF COLORADO  
BOULDER CO 80302  
U.S.A.
- DUMONT RENE DR  
OBSERVATOIRE  
DE BORDEAUX  
F-33270 FLOIRAC  
FRANCE
- DUNCOMBE RAYNOR L DR  
DEPT OF AEROSPACE  
ENGINEERING  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- DUNKELMAN LAWRENCE  
CODE 685 LAB F ASTRO  
AND SOLAR PHYSICS  
GODDARD SPACE FL CTR  
GREENBELT MD 20771  
U.S.A.
- DUPUY DAVID L DR  
DEPT OF ASTRONOMY  
ST MARY'S UNIVERSITY  
HALIFAX NS B3H 3C3  
CANADA
- DURRANT CHRISTOPHER J DR  
KIEPENHEUER INST  
FUER SONNENPHYSIK  
SCHWENCKSTR 6  
D-7800 FREIBURG  
GERMANY, F.R.

- DUTHIE JOSEPH G PROF  
UNIVERSITY ROCHESTER  
DEPT OF PHYSICS AND  
ASTRONOMY  
ROCHESTER NY 14627  
U.S.A.
- DWURETSKY MICHAEL M DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIV COLLEGE LONDON  
LONDON WC1E 6BT  
U.K.
- DYER EDWARD R DR  
NATIONAL ACADEMY OF  
SCIENCES  
2101 CONSTITUTION AV  
WASHINGTON DC 20418  
U.S.A.
- DZHAPIASHVILI V P DR  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.R.
- EATON JOEL A DR  
DYER OBS  
BOX 1803 STA B  
NASHVILLE TN 37235  
U.S.A.
- EDDY JOHN A DR  
HIGH ALTITUDE  
OBSERVATORY  
BOX 3000  
BOULDER CO 80307  
U.S.A.
- EDMONDSON FRANK K PROF  
GOETHE LINK OBS  
319A SWAIN HALL WEST  
INDIANA UNIVERSITY  
BLOOMINGTON IN 47405  
U.S.A.
- EDWARDS P J PROF  
DEPT OF PHYSICS  
UNIV OF DTAGO  
P O BOX 56  
DUNEDIN  
NEW ZEALAND
- EFREMOV YU I DR  
INSTITUTE F APPLIED  
MATHEMATICS  
USSR ACADEMY OF SCI  
125047 MOSCOW  
U.S.S.R.
- EGGLETON PETER P DR  
INSTITUTE OF  
ASTRONOMY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.
- EHKMA E V DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- EILEK JFAN  
PHYSICS DEPT  
NEW MEXICO TECH  
SOCORRO NM 87801  
U.S.A.
- DVORAK RUDOLF DR  
ASTRONOMISCHES INST  
DER UNIVERSITAET  
A-8010 GRAZ  
AUSTRIA
- DYCK M DR  
KITZ PEAK NATIONAL  
OBSERVATORY  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- DYSON F J DR  
INSTITUTE FOR  
ADVANCED STUDIES  
PRINCETON NJ 08540  
U.S.A.
- DZIEMBOWSKI W DR  
ASTRONOMICAL CENTER  
UL BARTYCKA 18  
00-716 WARSAW  
POLAND
- EBBIGHAUSEN E G  
PHYSICS DEPT  
UNIVERSITY OF OREGON  
EUGENE OR 97403  
U.S.A.
- EDLEN BENGT PROF  
DEPT OF PHYSICS  
SOELVEGATAN 14  
S-223 62 LUND  
SWEDEN
- EDMONDS MICHAEL GEOFFREY  
DEPT OF APPLIED MATH  
& ASTRONOMY  
UNIV CLG P O BOX 78  
CARDIFF CF1 1XL  
U.K.
- EDWARDS TERRY W  
DEPT OF PHYSICS  
AND ASTRONOMY  
UNIV OF ROCHESTER  
ROCHESTER NY 14627  
U.S.A.
- EFREMOV YURY N DR  
STERNBERG  
ASTRONOMICAL INST  
117234 MOSCOW  
U.S.S.R.
- EGRET DANIEL DR  
OBS DE STRASBOURG  
11 RUE DE L'UNIV  
F-67000 STRASBOURG  
FRANCE
- EICHHORN HEINRICH K DR  
DEPT OF ASTRONOMY  
UNIV OF FLORIDA  
231 SPACE SC RES BLD  
GAINESVILLE FL 32611  
U.S.A.
- EINICKE O H LEKTOR  
UNIVERSITY  
OBSERVATORY  
OSTERVOLDGADE 3  
DK-1350 COPENHAGEN K  
DENMARK
- DWEK ELIAHU  
CODE 693.2  
NASA GSFC  
GREENBELT MD 20771  
U.S.A.
- DYER CHARLES CHESTER DR  
PHYS SCS GR RM R4227  
SCARBOROUGH COLLEGE  
UNIV OF TORONTO  
TORONTO ONT M1G 3S7  
CANADA
- DYSON JOHN E DR  
ASTRONOMY DEPT  
UNIVERSITY OF  
MANCHESTER  
MANCHESTER M13 9PL  
U.K.
- DZIGVASHVILI R M DR  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
U.S.S.R.
- ECCLES MICHAEL J DR  
29 BUCKSTONE LOAN E  
EDINBURGH 10  
U.K.
- EDMONDS FRANK N JR DR  
RLM 15.712  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- EDWARDS ALAN CH DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RQ  
U.K.
- EELSALU HEINO DR  
TARTU OBSERVATORY  
202-444 TORAVERE  
ESTONIA  
U.S.S.R.
- EFSTATHIOU GEORGE  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- EHLERS JURGEN PROF  
MPI FUER PHYSIK UND  
ASTROPHYSIK MUENCHEN  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- EICHLER DAVID DR  
ASTRONOMY PROGRAM  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- EINSATO JAAN DR  
TARTU OBSERVATORY  
202444 TORAVERE  
ESTONIA  
U.S.S.R.

EKERS RONALD J DR  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS

EL-RAEY MOHAMED E DR  
DEPT OF PHYSICS  
FACULTY OF SCIENCE  
UNIV OF ALEXANDRIA  
ALEXANDRIA  
ARAB REP. OF EGYPT

ELGARDY OYSTEIN PROF  
INST THEOR ASTROPHYS  
UNIVERSITY OF OSLO  
P O BOX 1029  
BLINDERN OSLO 3  
NORWAY

ELLIOT HARRY PROF  
BLACKETT LABORATORY  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.

ELLIOTT KENNETH H DR  
DEPT OF SPACE RES  
UNIV OF BIRMINGHAM  
P O BOX 353  
BIRMINGHAM B15 2TT  
U.K.

ELLIS RICHARD S  
PHYSICS DEPT  
DURHAM UNIVERSITY  
SOUTH ROAD  
DURHAM DH1 3LE  
U.K.

ELSAESSER HANS PROF  
MPI FUER ASTRONOMIE  
D-6900 HEIDELBERG-  
KOENIGSTUHL  
GERMANY, F.R.

ELSTE GUNTHER H DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
MICHIGAN  
ANN ARBOR MI 48109  
U.S.A.

ELVIUS AINA M PROF  
STOCKHOLM OBS  
S-133 00  
SALTSJOBADEN  
SWEDEN

ELYASBERG P E PROF DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.

EMERSON JAMES P R  
DEPT OF PHYSICS  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.

ENCRENAZ T DR  
GROUPE PLANETES  
SECT D'ASTROPHYSIQUE  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

EL EID MOUNIB DR  
UNIVERSITAETSSTERN-  
WART  
GEISMARLANDSTR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.

EL-SHAARAWY M B DR  
HELWAN OBSERVATORY  
HELWAN NEAR CAIRO  
ARAB REP. OF EGYPT

ELITZUR MOSHE  
DEPT OF PHYS & ASTRO  
UNIV OF KENTUCKY  
LEXINGTON  
KY 40506-0055  
U.S.A.

ELLIOT JAMES L DR  
DEPT EARTH/PLANET SC  
MIT BLDG 54-422A  
CAMBRIDGE MA 02139  
U.S.A.

ELLIS G R A PROF  
UNIV OF TASMANIA  
P O BOX 252J  
HOBART TASMANIA  
AUSTRALIA

ELMEGREEN BRUCE GORDON DR  
DEPT OF ASTRONOMY  
PUPIN LABS  
COLUMBIA UNIV  
NEW YORK NY 10027  
U.S.A.

ELSMORE BRUCE DR  
CAVENDISH LABORATORY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.

ELSTON WOLFGANG E PROF  
DEPT OF GEOLOGY  
UNIVERSITY OF  
NEW MEXICO  
ALBUQUERQUE NM 87131  
U.S.A.

ELVIUS TORO PROF  
NORRLANDSG 34 F  
S-752 29 UPPSALA  
SWEDEN

EMELIANOV NIKOLAJ V DR  
STERNBERG STATE  
ASTRONOMICAL INST  
117234 MOSCOW  
U.S.S.R.

EMINZADE T A DR  
SHEMAKHA ASTROPHYSI-  
CAL OBSERVATORY  
373243 AZERBAIDZAN  
U.S.S.R.

ENDAL ANDREW S DR  
DEPT PHYSICS ASTRON  
LOUISIANA STATE UNIV  
BATON ROUGE LA 70803  
U.S.A.

EL-BAZ F DR  
CTR EARTH AND PLANE-  
TARY STUDIES  
SMITHSONIAN INST.  
WASHINGTON DC 20560  
U.S.A.

ELFORD W G DR  
DEPT OF PHYSICS  
UNIV OF ADELATDE  
ADELAIDE  
AUSTRALIA

ELDER JOEL DR  
ONSALA SPACE  
OBSERVATORY  
S-430 34 ONSALA  
SWEDEN

ELLIOTT IAN DR  
DUNSINK OBSERVATORY  
CASTLEKNOCK  
CO DUBLIN  
IRELAND

ELLIS GEORGE F R PROF  
DEPT OF APPLIED MATH  
UNIV OF CAPE TOWN  
RONDEBOSCH CAPE 7700  
SOUTH AFRICA

ELMEGREEN DEBRA MELOY  
DEPT OF ASTRONOMY  
COLUMBIA UNIVERSITY  
NEW YORK NY 10027  
U.S.A.

ELST E DR  
KONINGLIJKE STERREN-  
WACHT VAN BELGIE  
RINGLAAN 3  
B-1180 BRUSSEL  
BELGIUM

ELVIS MARTIN S DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

ELWERT GERHARD PROF  
LEHRSTUHL F THEORE-  
TISCHE ASTROPHYSIK  
UNIV TUEBINGEN  
D-7400 TUEBINGEN  
GERMANY, F.R.

EMERSON BRIAN MR  
ROYAL GREENWICH OBS  
HERSTMONCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.

ENCRENAZ PIERRE J DR  
ECOLE NORMALE  
SUPERIEURE  
24 RUE LHOMOND  
F-75005 PARIS  
FRANCE

ENGELHARD E J G PROF DR  
SACKRING 34  
D-3300 BRAUNSCHWEIG  
GERMANY, F.R.

- ENGIN SEMANUR ASSOC PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF ANKARA  
FEN FAKULTESI  
ANKARA  
TURKEY
- ENSLIN HEINZ DR  
DEUTSCHES HYDROGRA-  
PHISCHES INSTITUT  
POSTFACH 220  
D-2000 HAMBURG 4  
GERMANY, F.R.
- EPSTEIN GABRIEL LEO DR  
NASA-GSFC  
CODE 682  
GREENBELT MD 20771  
U.S.A.
- ERDI B DR  
ASTRONOMICAL DEPT  
LORAND EOTVOS UNIV  
KUN BELA TER 2  
H-1083 BUDAPEST  
HUNGARY
- ERIKSEN GUNNAR PROF  
INST THEOR ASTROPHYS  
UNIVERSITY OF OSLO  
P O BOX 1029  
BLINDERN OSLO 3  
NORWAY
- ERSHKOVICH ALEXANDER DR  
58/1 HANKIN ST  
RAANANA  
ISRAEL
- ESHLEMAN VON R PROF  
DURAND 221  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.
- ESPOSITO F PAUL PROF  
DEPT OF PHYSICS 11  
UNIVERSITY OF  
CINCINNATI  
CINCINNATI OH 45221  
U.S.A.
- EVANGELIDIS E DR  
UNIVERSITY OF PATRAS  
DEPT OF ASTRONOMY  
PATRAS  
GREECE
- EVANS J V DR  
MIT LINCOLN LAB  
MILLSTONE/HAYSTACK  
OBSERVATORY  
LEXINGTON MA 02173  
U.S.A.
- EVANS NAUCY R DR  
183 BRIAR HILL AVE  
TORONTO ONT M4R 1H8  
CANADA
- EVANS W DOYLE  
390 EL CONEJO  
LOS ALAMOS NM 87544  
U.S.A.
- ENGVOLD ODDBJERN DR  
INST THEOR ASTROPHYS  
UNIVERSITY OF OSLO  
P O BOX 1029  
BLINDERN OSLO 3  
NORWAY
- EPPS HARLAND WARREN PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF CALIF  
MATH SCI RM 8983  
LOS ANGELES CA 90024  
U.S.A.
- EPSTEIN ISADORE PROF  
ASTRONOMY DEPT  
COLUMBIA UNIVERSITY  
NEW YORK NY 10027  
U.S.A.
- ERICKSON WILLIAM C DR  
ASTRONOMY PROGRAM  
UNIVERSITY MARYLAND  
COLLEGE PARK  
MD 20742  
U.S.A.
- ERIKSSON KJELL DR  
ASTRONOMISKA  
OBSERVATORIET  
BOX 515  
S-751 20 UPPSALA  
SWEDEN
- ERTAN A YENER DR  
EGE UNIVERSITY  
FEN FAKULTESI  
ASTRONOMI BÖLÜMÜ  
BORNOVA-İZMİR  
TURKEY
- ESIPOV V F DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- ESPOSITO LARRY W  
LASP  
CAMPUS BOX 392  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.
- EVANS ANEURIN  
DEPT OF PHYSICS  
UNIV OF KEELE  
KEELE ST5 5BG  
U.K.
- EVANS JOHN W DR  
SACRAMENTO PEAK  
OBSERVATORY  
SUNSPOT NM 88349  
U.S.A.
- EVANS NEAL J II ASST PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- EVDOKIMOV YU V DR  
ENGELHARDT ASTRONOMI  
CAL OBSERVATORY  
422526 KAZAN  
U.S.S.R.
- ENJME SHINZO ASSOC PROF  
RESEARCH INSTITUTE  
OF ATMOSPHERICS  
NAGoya UNIVERSITY  
TOYOKAWA 442  
JAPAN
- EPSTEIN EUGENE E DR  
I A GETTING LABS  
130-422 AERO CORP  
BOX 92957  
LOS ANGELES CA 90009  
U.S.A.
- EPSTEIN RICHARD I DR  
NORDITA  
BLEGDAMSVej 17  
DK-2100 COPENHAGEN 0  
DENMARK
- ERIGUCHI YOSHIHARU DR  
DEPT EART SC & ASTRO  
COLL GEN EDUCATION  
UNIV TOKYO KOMABA  
MEGURO TOKYO 153  
JAPAN
- ERPYLEV N P DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- ERUSHEV N N DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- ESKIOGLJ A NIHAZ  
DEVLET MUHENDISLIK  
MIMARLIK AKADEMISI  
ADAPAZARI - SAKARYA  
TURKEY
- ESTALELLA ROBERTO DR  
JOAN GUELL 139-145  
7-4A  
BARCELONA-28  
SPAIN
- EVANS DAVID S PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- EVANS KENTON D DR  
PHYSICS DEPT  
THE UNIVERSITY  
LEICESTER LE1 7RN  
U.K.
- EVANS ROGER G DR  
RUTHERFORD  
LABORATORY  
DIOCDY OX11 0QX  
U.K.
- EVERHART EDGAR DR  
PHYSICS DEPT AND  
CHAMBERLIN OB  
UNIVERSITY OF DENVER  
DENVER CO 80208  
U.S.A.



- EVIATAR AHARON PROF  
DEPT OF GEOPHYSICS  
AND PLANETARY SC  
TEL-AVIV UNIVERSITY  
TEL-AVIV  
ISRAEL
- EZER DILHAN PROF  
MIDDLE EAST TECH-  
NICAL UNIVERSITY  
ANKARA  
TURKEY
- FABRE HERVE DR  
2 AVENUE MARECHAL  
FOCH  
F-06310 BEAULIEU MER  
FRANCE
- FAHR HANS JOERG PROF DR  
INST ASTROPHY EXTRA-  
TERRESTR F UNIV BONN  
AUF DEM HUEGEL 71  
D-5300 BONN  
GERMANY, F.R.
- FALCIANI ROBERTO DR  
ARCETRI ASTROPHYSI-  
CAL OBS  
LARGO E FERMI 5  
I-50125 FIRENZE  
ITALY
- FALLE SAMUEL A DR  
UNIVERSITY OF LEEDS  
LEEDS LS2 9JT  
U.K.
- FANG CHENG  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- FANTI CARLA GIOVANNINI  
LAB DI RADIOASTRONO-  
MIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- FARINELLA PAOLO DR  
IST DI MATEMATICA  
L TONELLI UN DI PISA  
PIAZZA D CAVALIERI 2  
I-56100 PISA  
ITALY
- FAUCHER P DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- FAWELL DEREK R DR  
UNIVERSITY OF LONDON  
OBSERVATORY  
MILL HILL PARK  
LONDON NW7 2QS  
U.K.
- FEAST MICHAEL W DR  
S A A O  
P O BOX 9  
OBSERVATORY  
CAPE 7935  
SOUTH AFRICA
- EWEN HAROLD I DR  
60 BEAVER ROAD  
WESTON MA 02193  
U.S.A.
- FABER SANDRA M PROF  
LICK OBSERVATORY  
UNIVERSITY OF  
CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- FAELTHAMMAR CARL GUNNE PR  
DEPT PLASMA PHYSICS  
ROYAL INST OF  
TECHNOLOGY  
S-100 44 STOCKHOLM70  
SWEDEN
- FAHY EDWARD F PROF  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
CORK  
IRELAND
- FALK SYDNEY W JR DR  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- FALLER JAMES E PROF  
JILA NBS  
UNIVERSITY COLORADO  
BOULDER CO 80309  
U.S.A.
- FANG LI-ZHI  
ASTROPHYSICS RES.DIV  
UNIV OF SCIENCE&TECH  
HEFEI  
ANHUI PROVINCE  
PEOPLE'S REPUBLIC CHINA
- FANTI R DR  
PHYSICAL INST  
UNIV OF BOLOGNA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- FARNIK FRANTISEK  
ASTRONOMICAL INST  
CZECH ACADEMY OF SC  
ONDREJOV OBSERVATORY  
25165 ONDREJOV  
CZECHOSLOVAKIA
- FAULKNER DONALD J DR  
MT STROMLO  
OBSERVATORY  
WODEN PO ACT 2606  
AUSTRALIA
- FAY THEODORE D DR  
MAIL STOP 19  
TELEDYNE BROWN ENG  
CUMMINGS RES PARK  
HUNTSVILLE AL 35807  
U.S.A.
- FEAUTRIER NICOLE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- EWING MARTIN S  
CALTECH 102-24  
PASADENA CA 91125  
U.S.A.
- FABIAN ANDREW C DR  
INSTITUTE OF  
ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.
- FAHLMAN GREGORY G DR  
DEPT GEOPHYS AND AST  
UNIVERSITY OF BC  
2075 WESBROOK PLACE  
VANCOUVER BC V6T 1W5  
CANADA
- FAIRALL ANTHONY P DR  
DEPT OF ASTRONOMY  
UNIV OF CAPE TOWN  
RONDEBOSCH 7700  
CAPE  
SOUTH AFRICA
- FALL S M DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- FALLON FREDERICK W DR  
DEPT OF ASTRONOMY  
UNIV OF FLORIDA  
TAMPA FL 33620  
U.S.A.
- FANSELOW JOHN LYMAN  
JET PROPULSION LAB  
M/S 264-749  
4800 OAK GROVE DR  
PASADENA CA 91109  
U.S.A.
- FARAGGIANA ROSANNA PROF  
OSSERVATORIO  
ASTRONOMICO  
VIA TIEPOLO 11  
I-34131 TRIESTE  
ITALY
- FATCHIK-IN NIKOLAJ V DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- FAULKNER JOHN PROF  
UNIVERSITY OF  
CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- FAZIO GIOVANNI G DR  
CENTER FOR  
ASTROPHYSICS HCO SAO  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- FECHTIG HUGO DR  
SANSERWEG 3  
D-6906 LEIMEN  
GERMANY, F.R.

FEDERMAN STEVEN ROBERT  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.

FEGAN DAVID J DR  
PHYSICS DEPT  
UNIV COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND

FEINSTEIN A DR  
OBS ASTRONOMIC  
1900 LA PLATA  
ARGENTINA

FEIX GERHARD DR  
RUHR UNIVERSITAET  
DEPT XII  
POSTFACH 102 148  
D-4630 BOCHUM  
GERMANY, F.R.

FELDMAN PAUL A DR  
HERZBERG INST ASTROD  
NAT RES COUNC CANADA  
100 SUSSEX DR  
OTTAWA ONT KIA 0R6  
CANADA

FELDMAN URI  
CODE 4174  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.

FELLI MARCELLO DR  
OBSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

FENKART ROLF P DR  
ASTRONOMISCHES INST  
UNIVERSITAET BASEL  
VENUSSTR 7  
CH-4102 BINNINGEN  
SWITZERLAND

FERLAND GARY JOSEPH  
DEPT OF PHYS & ASTRO  
UNIV OF KENTUCKY  
LEXINGTON KY 40506  
U.S.A.

FERNIE J DONALD PROF  
DAVID DUNLAP OBS  
P O BOX 360  
RICHMOND HILL  
ONT L4C 4Y6  
CANADA

FERRARI IONIOLO MARCO  
IST ASTROFISICA  
SPAZIALE  
CASELLA POSTALE 67  
I-00044 FRASCATI  
ITALY

FERRIN IGNACIO  
UNIV DE LOS ANDES  
FACULTAD DE CIENCIAS  
DEPTO DE FISICA  
MERIDA  
VENEZUELA

FEDOROV E P DR  
MAIN ASTRON OBS  
UKRAINIAN ACAD OF SC  
GOLOSSEVO  
252127 KIEV  
U.S.S.R.

FEHRENBACH CHARLES PROF  
OBSERVATOIRE DE  
HAUTE PROVENCE  
ST MICHEL LES  
F-04300 FORCALQUET  
FRANCE

FEISSEL MARTINE  
OBSERVATOIRE PARIS  
61 AVE DE  
L-OBSERVATOIRE  
F-75014 PARIS  
FRANCE

FEJES I TVAN DR  
FOMI SATELLITE  
GEODTIC OBSERVATORY  
PO BOX 546  
1373 BUDAPEST  
HUNGARY

FELDMAN PAUL DONALD DR  
PHYSICS DEPT  
JOHNS HOPKINS UNIV  
BALTIMORE MD 21218  
U.S.A.

FELENBOK PAUL DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

FELTEN JAMES E DR  
CODE 660  
GODDARD SPACE FL CTR  
GREENBELT MD 20771  
U.S.A.

FENTON K B DR  
DEPT OF PHYSICS  
UNIV OF TASMANIA  
HOBART TASM 7001  
AUSTRALIA

FERNANDEZ JEAN-CLAUDE DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE

FERRARI ATTILIO DR  
ISTITUTO DI FISICA  
GENERALE DELL'UNIV.  
CR M D AZEGLIO 45  
I-10125 TORINO  
ITALY

FERRAZ-MELLO S PROF DR  
UNIV DE SAO PAULO  
DEPT ASTRONMIA  
CAIXA POSTAL 30627  
01000-SAO PAULO SP  
BRAZIL

FERRINI FEDERICO  
IST DI ASTRONMIA  
UNIVERSITA DI PISA  
VIA BUONARROTI 2  
I-56100 PISA  
ITALY

FEDOROVA RIMMA T DR  
ASTRONOMICAL OBS  
327000 NIKOLAEV  
U.S.S.R.

FEIBELMAN WALTER A DR  
NASA-GSFC  
CODE 685  
GREENBELT MD 20771  
U.S.A.

FFITZINGER JOHANNES V PHD  
ASTRONOMISCHES INST  
RUHR UNIVERSITAET  
POSTFACH 102148  
D-4630 BOCHUM  
GERMANY, F.R.

FEKEL FRANK JR  
6949 KNIGHTHOOD LANE  
COLUMBIA MD 21045  
U.S.A.

FELDMAN U DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
TEL-AVIV UNIV  
RAMAT-AVIV  
ISRAEL

FELLGETT PETER B PROF  
DEPT OF CYBERNETICS  
3 EARLY GATE  
WHITEKNIGHTS  
READING RG6 2AL  
U.K.

FENG KE-JIA  
DEPT OF ASTRONOMY  
BEIJING NORMAL  
UNIVERSITY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

FERETTI LUIGINA  
ISTITUTO DI  
RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY

FERNANDEZ-FIGUEROA M J DR  
ASTROFIS FAC DE FIS  
UNIV COMPLUTENSE  
CIUDAD UNIVERSITARIA  
MADRID 3  
SPAIN

FERRARI D OCCHIEPPO K DR  
OESTERREICHISCHE AK  
DER WISSENSCHAFTEN  
DR-I-SEIPEL-PLATZ 2  
A-1110 WIEN  
AUSTRIA

FERRER OSVALDO EDUARDO DR  
OBS ASTRONOMIC  
PASEO DEL BOSQUE  
1900-LA PLATA  
ARGENTINA

FESTOU M DR  
SERVICE D'AERONOMIE  
CNRS 8 P NO 3  
F-91370 VERRIERES  
LE BUISSON  
FRANCE

FEYNMAN JOAN DR  
DEPT OF PHYSICS  
BOSTON COLLEGE  
CHESTNUT HL MA 02167  
U.S.A.

FICHEL CARL E DR  
GODDARD SPACE FLIGHT  
CENTER  
CODE 662  
GREENBELT MD 20771  
U.S.A.

FIELDER GILBERT DR  
LUNAR AND PLANETARY  
UNIT E S DEPT  
LANCASTER UNIVERSITY  
LANCASTER LA1 4YR  
U.K.

FINN G D DR  
INST FOR ASTRONOMY  
2525 CORREA ROAD  
HONOLULU HI 96822  
U.S.A.

FIRMANI CLAUDIO A PROF  
INSTITUTO DE  
ASTRONOMIA UNAM  
A P 70-264  
04510 MEXICO DF  
MEXICO

FIROR JOHN W DR  
NATIONAL CTR FOR AT-  
MOSPHERIC RESEARCH  
P O BOX 3000  
BOULDER CO 80703  
U.S.A.

FISCHER STANISLAV DR  
ASTRONOMICAL INST  
CSAV  
BUDECSKA 6  
120 23 PRAHA 2  
CZECHOSLOVAKIA

FISHER RICHARD R DR  
HIGH ALTITUDE OBS  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.

FITCH WALTER S DR  
STEWART OBSERVATORY  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.

FIX JOHN D DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY OF IOWA  
IOWA CITY IA 52240  
U.S.A.

FLETCHER J MURRAY  
DOMINION ASTRONPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA

FLORENTIN-NIELSEN R M SC  
COPENHAGEN UNIVERSI-  
TY OBSERVATORY  
BRORFELDE  
DK-4340 TOLLOSE  
DENMARK

FIALA ALAN D DR  
U S NAVAL OBS  
WASHINGTON DC 20390  
U.S.A.

FIELD DAVID  
SCHOOL OF CHEMISTRY  
CANTOCKS CLOSE  
BRISTOL BS8 1FS  
U.K.

FINDLAY JOHN W DR  
NAT RADIO ASTR OBS  
EDGEMONT RD  
CHARLOTTESVILLE  
VA 22901  
U.S.A.

FINZI ARRIGO DR  
DEPT OF MATHEMATICS  
TECHNION I I T  
HAIFA  
ISRAEL

FIRNEIS FRIEDRICH J DR  
OESTERR AKADEMIE DER  
WISSENSCHAFTEN  
FLEISCHMARKT 20/1/1  
A-1010 WIEN  
AUSTRIA

FISCHEL DAVID DR  
CODE 671  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.

FISHER J RICHARD  
NRAO  
P O BOX 2  
GREEN BANK WV 24944  
U.S.A.

FISHKOVA L M PROF  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.R.

FITTON BRIAN DR  
ASTRONOMY DIV  
ESTEC  
POSTBUS 299  
2200 AG NOORDWYK  
THE NETHERLANDS

FLANNERY BRIAN PAUL DR  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

FLIEGEL HENRY F  
JPL  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.

FLORIDES PETROS S PROF  
SCHOOL OF MATHEMA-  
TICS TRINITY COLLEGE  
DUBLIN 2  
IRELAND

FICARRA A MR  
LAB NAZIONALE DI  
RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY

FIELD GEORGE B PROF  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

FINK U DR  
LUNAR AND PLANETARY  
LABORATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.

FIREMAN EDWARD L  
ASTROPHYSICAL OBS  
SMITHSONIAN INST  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

FIRNEIS MARIA G DR  
INST FUR ASTRONOMIE  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA

FISCHER P LEANDER PROF  
FREYUNG 6  
A-1010 WIEN  
AUSTRIA

FISHER PHILIP C  
RUFFNER ASSOCIATES  
P O BOX 7070  
MENLO PARK CA 94025  
U.S.A.

FISHMAN GERALD J  
MSFC ASTROPHYSICS BR  
SPACE SCIENCES LAB  
MARSHALL SFC AL35812  
U.S.A.

FITZGERALD M PIM PROF  
DEPT OF PHYSICS  
UNIVERSITY WATERLOO  
WATERLOO ONT N2L 3G1  
CANADA

FLEISCHER ROBERT DR  
1733 CHURCH ST N W  
WASHINGTON DC 20036  
U.S.A.

FLOQUET MICHELE DR  
OBS DE PARIS  
DEPEG  
F-92190 MEUDON  
FRANCE

FLORSCH ALPHONSE DR  
OBSERVATOIRE  
DE STRASBOURG  
11 RUE L UNIVERSITE  
F-67000 STRASBOURG  
FRANCE

FLOWER DAVID R DR  
DEPT OF PHYSICS  
UNIVERSITY OF DURHAM  
DURHAM DH1 3LE  
U.K.

FOKKER AAD D DR  
STERREWACHT  
SONNENBORGH  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS

FOMENKO ALEXANDER F DR  
SPECIAL ASTROPHYS OBS  
NIZHNIJ ARKHYZ  
357140 STAVROPOLSKIJ  
KRAJ  
U.S.S.R.

FONG RICHARD  
DEPT OF PHYSICS  
UNIV OF DURHAM  
SOUTH ROAD  
DURHAM DH1 3LE  
U.K.

FORBES J E DR  
P O BOX 88120  
INDIANAPOLIS IN46208  
U.S.A.

FORMAN WILLIAM RICHARD DR  
SMITHSONIAN OBS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

FORT BERNARD P DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

FORTI GIUSEPPE DR  
OSSERVATORIO ARCTERI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

FOSSAT ERIC DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE

FOX KENNETH DR  
DEPT PHYSICS ASTRON  
UNIV OF TENNESSEE  
503 PHYSICS  
KNOXVILLE TN 37916  
U.S.A.

FRACASSINI MASSIMO PROF  
OSSERVATORIO  
ASTRONOMICO DI BRERA  
VIA BRERA 28  
I-20121 MILANO  
ITALY

FRANKLIN FRED A DR  
PLANETARY SC DIV  
CTR F ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

FOGARTY WILLIAM G DR  
2511 PLOVER RD  
WISCONSIN RAPIDS  
WI 54494  
U.S.A.

FOLTZ CRAIG  
DEPT OF ASTRONOMY  
174 WEST 18TH AVE  
COLUMBUS OH 43210  
U.S.A.

FOMIN VALERY A DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

FONTAINE GILLES DR  
DEPT OF PHYSICS  
UNIV OF MONTREAL  
P O BOX 6128  
MONTREAL PQ H3C 3J7  
CANADA

FORD HOLLAND C ASSOC PROF  
SPACE TELESCOPE SC  
HOMWOOD CAMPUJ  
THE JOHNS HOPKINS UN  
BALTIMORE MD 21218  
U.S.A.

FORREST WILLIAM JOHN  
DEPT OF PHYSICS  
AND ASTRONOMY  
UNIV OF ROCHESTER  
ROCHESTER NY 14627  
U.S.A.

FORT DAVID NORMAN DR  
733 LONSDALE ROAD  
OTTAWA K1K 0J9  
CANADA

FORTINI TERESA DR  
OSSERVATORIO  
ASTRONOMICO  
I-00136 ROMA  
ITALY

FOUKAL PETER V DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

FOX W E MR  
40 WINDSOR ROAD  
NEWARK NOTTINGHAMS  
U.K.

FRACASTORO MARIO G PROF  
OSSERVATORIO ASTRONO  
MICO DI TORINO  
PINO TORINESE  
I-10025 TORINO  
ITALY

FRANTSMAN YU L DR  
RADIOASTROPHYSICAL  
OBSERVATORY LATVIAN  
ACADEMY OF SCIENCES  
226026 RIGA  
U.S.S.R.

FOGH OLSEN H J  
COPENHAGEN UNIV  
OBSERVATORY  
BRORFELDE  
DK-4340 TOLLOSE  
DENMARK

FOMALONT EDWARD B DR  
NATIONAL RADIO  
ASTRONOMY OBS  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.

FOMINOV ALEXANDR M DR  
INST OF THEORETICAL  
ASTRONOMY  
10 KUTUZOV QUAY  
192187 LENINGRAD  
U.S.S.R.

FORBES ERIC G DR  
HISTORY DEPT  
EDINBURGH UNIVERSITY  
50 GEORGE SQUARE  
EDINBURGH EH8 9JY  
U.K.

FORD W K JR DR  
TERRESTRIAL MAGNET  
CARNEGIE INSTITUTION  
5241 BROAD BR RD N W  
WASHINGTON DC 20015  
U.S.A.

FORSTER JAMES RICHARD DR  
CSIRO DIVISION OF  
RADIOPHYSICS  
P O BOX 76  
EPING NSW 2121  
AUSTRALIA

FORTE JUAN CARLOS DR  
OBS ASTRONOMICICO  
PASEO DEL BOSQUE  
1900-LA PLATA  
ARGENTINA

FOSBURY ROBERT A E DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.

FOWLER WILLIAM A PROF  
CALTECH 106 38  
PASADENA CA 91125  
U.S.A.

FOY RENAUD DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

FRANSEN SØREN PROF  
INST OF ASTRONOMY  
UNIVERSITY OF AARHUS  
DK-8000 AARHUS C  
DENMARK

FRANZ OTTO G DR  
LOWELL OBSERVATORY  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.

FRASER C W DR  
UNIV OBSERVATORY  
BUCHANAN GARDENS  
ST ANDREWS  
FIFE KY16 9LZ  
U.K.

FREDEGA KERSTIN PROF  
SWEDISH BOARD FOR  
SPACE ACTIVITIES  
TRITONVAEGEN 27  
S-171 54 SOLNA  
SWEDEN

FRETESLEBEN H C DR  
FLORENTINER STR 20  
APP 6120  
D-7000 STUTTGART 75  
RIEDENBERG  
GERMANY, F.R.

FRESA A PROF  
VIA PORTJ 23  
I-84100 SALEKNO  
ITALY

FRICKE WALTER PROF DR  
DIRECTOR ASTRONOMI-  
SCHES RECHENINSTITUT  
12-14 MOENCHHOEFSTR  
D-6900 HEIDELBERG  
GERMANY, F.R.

FRIEDJUNG MICHAEL DR  
INST D ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE

FRINGANT ANNE-MARIE DR  
OBS DE PARIS  
BAT B  
61 AV L'OBSERVATOIRE  
F-75014 PARIS  
FRANCE

FRISCH URIEL DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE-CEDEX  
FRANCE

FROESCHLE CLAUDE DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE-CEDEX  
FRANCE

FROLOV M S DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.

FU DELIAN  
BEIJING ASTRONOMICAL  
OBSERVATORY  
ACADEMIA SINICA  
BEIJING  
PEOPLE'S REPUBLIC CHINA

FUENMAYOR FRANCISCO J DR  
UNIV DE LOS ANDES  
FACULDAJ DE CIENCIAS  
DEPTO DE FISICA  
MERIDA  
VENEZUELA

FRATER ROBERT H DR  
UNIVERSITY OF SYDNEY  
SYDNEY N S W 2006  
AUSTRALIA

FREDRICK LAJRENCE W PROF  
LEANDER MCCORMICK  
OBSERVATORY BOX 3818  
CHARLOTTESVILLE  
VA 22903  
U.S.A.

FREIRE FERRERO R G DR  
OBS ASTRONOMIQUE  
11 R DE L'UNIVERSITE  
F-67000 STRASBOURG  
FRANCE

FRESNEAU A DR  
OBS DE STRASBOURG  
11 R DE L'UNIVERSITE  
F-67000 STRASBOURG  
FRANCE

FRIED JOSEF WILHELM DR  
MAX-PLANCK-INSTITUT  
FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

FRIEDLANDER MICHAEL PROF  
DEPT OF PHYSICS  
WASHINGTON  
UNIVERSITY  
ST LOUIS MO 63130  
U.S.A.

FRISCH HELENE DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE-CEDEX  
FRANCE

FRITZOVA-SVESTKA L DR  
147 DOPPERSTRAAT  
3752 JC BUNSCHOTEN  
THE NETHERLANDS

FROESCHLE MICHEL DR  
CERGA  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE

FROST KENNETH J DR  
NASA GSFC  
CODE 684  
GREENBELT MD 20771  
U.S.A.

FU-SHONG KUO  
DEPT OF PHYSICS  
INST PHYS ASTRONOMY  
NAT CENTRAL UNIV  
CHUNG LI  
TAIWAN

FUERST ERNST DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

FRAZIER EDWARD N DR  
AEROSPACE  
CORPORATION  
P O BOX 92957  
LOS ANGELES CA 90009  
U.S.A.

FREEMAN KENNETH C DR  
MT STROMLO  
OBSERVATORY  
WOODEN PO ACT 2606  
AUSTRALIA

FREITAS MOURAO R R DR  
OBS NACIONAL  
R GENERAL BRUCE 586  
SAO CRISTOVAO  
RIO DE JANEIRO  
BRAZIL

FRICKE KLAUS DR  
UNIVERSITAETSSTERNW  
UNIV GOETTINGEN  
GEISMARLANDSTR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.

FRIEDMANN CHRISTIAN DR  
UNIVERSITAETS  
STERNWARTEN JENA  
SCHILLERGAESSCHEN 2  
DDR-69 JENA  
G.D.R.

FRIEDMAN HERBERT DR  
US NAVAL RESEARCH  
LAB CODE 7100  
WASHINGTON DC 20375  
U.S.A.

FRISCH PRISCILLA  
LAB FOR ASTROPHYSICS  
& SPACE RESEARCH  
933 E 55TH STREET  
CHICAGO IL 60637  
U.S.A.

FROESCHLE CHRISTIANE D DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE

FROGEL JAY A DR  
CERRO TOLOLO INTER-  
AMERIC OBSERVATORY  
CASILLA 63 D  
LA SERENA  
CHILE

FRYE GLENN M PROF  
PHYS DEPT ROCK BLDG  
CASE WESTERN RESERVE  
UNIVERSITY  
CLEVELAND OH 44106  
U.S.A.

FUCHS JOSEPH PROF DR  
GOLDSCHLAGSTR 185-9  
A-1140 WIEN  
AUSTRIA

FUJIMOTO MASA-KATSU DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
TOKYO 181  
JAPAN

- FUJIMOTO MASAYUKI DR  
NIIGATA UNIVERSITY  
1-7-2 SAIJYO-MACHI  
JYOETSU  
NIIGATA 943  
JAPAN
- FUJIMOTO MITSUAKI DR  
DEPT OF PHYSICS  
NAGOYA UNIVERSITY  
NAGOYA 464  
JAPAN
- FUJITA YOSHIO PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TOKYO  
BUNKYO KU  
TOKYO 113  
JAPAN
- FUJIWARA AKIRA DR  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
KYOTO 606  
JAPAN
- FUKUI TAKAO DR  
DEPT OF LIBERAL ARTS  
DOKKO UNIVERSITY  
SAKAE-MACHI 600  
SOKA SAITAMA  
JAPAN
- FUKUI YASUO DR  
DEPT OF PHYSICS  
NAGOYA UNIVERSITY  
FUROCHO CHIKUSAKU  
NAGOYA 464  
JAPAN
- FULCHIGNONI MARCELLO PROF  
LABORATORIO DI  
ASTROFISICA SPAZIALE  
E.N.R.REP PLANETOL  
I-00044 FRASCATI  
ITALY
- FURENLID K INGEMAR DR  
DEPT PHYS AND ASTRON  
GEORGIA STATE UNIV  
ATLANTA GA 30303  
U.S.A.
- FURNISS IAN  
DEPT OF PHYS & ASTR  
UNIV COLLEGE LONDON  
GOWER STREET  
LONDON WC1E 6BT  
U.K.
- FURSENKO M A DR  
INSTITUTE OF THEORE-  
TICAL ASTRONOMY  
192187 ENINGRAD  
U.S.S.R.
- FUSI PECCI FLAVIO  
OSS ASTRONOMIC  
UNIVERSITARIO  
CASELLA POSTALE 596  
I-40100 BOLOGNA  
ITALY
- GABRIEL ALAN H  
RUTHERFORD APPLETON  
LAB SPACE/ASTROPHYS  
CHILTON DICTOT  
OXFORDS-IRE OX11 0QX  
U.K.
- GABRIEL MAURICE R DR  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
B-4200 COINTE DUGREE  
BELGIUM
- GAHM GOESTA F DR  
STOCKHOLM  
OBSERVATORY  
S-133 00  
SALTSJEBADEN  
SWEDEN
- GAINEBET J DR  
CERGA  
AVE COPERNIC  
F-06130 GRASSE  
FRANCE
- GAIL H P DR  
INST THEOR ASTROPHYS  
DER UNIVERSITAET  
IM NEUENHEIMER F 294  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- GAITZAUSKAS VICTOR DR  
HERZBERG INST OF  
ASTROPHYSICS  
NAT RES COUNC CANADA  
OTTAWA ONT KIA 0R6  
CANADA
- GALAL A A DR  
HELWAN OBSERVATORY  
HELWAN NEAR CAIRO  
ARAB REP. OF EGYPT
- GALEOTTI PIERO PROF  
LABORATORIO DI  
COSMO-GEOFISICA  
CORSO FIUME 4  
I-10133 TORINO  
ITALY
- GALIBINA I V DR  
INSTITUTE OF THEORE-  
TICAL ASTRONOMY  
192187 LENINGRAD  
U.S.S.R.
- GALKIN LEONID S A DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY  
334413 PO NAUCHNY  
CRIMEA  
U.S.S.R.
- GALLAGHER III JOHN S DR  
OBSERVATORY  
UNIVERSITY OF  
ILLINOIS  
URBANA IL 61801  
U.S.A.
- GALLET R M  
964 7TH STREET  
BOULDER CO 80302  
U.S.A.
- GALLETTA GIUSEPPE DR  
OSSERVATORIO ASTRO-  
NOMICO  
I-35100 PADOVA  
ITALY
- GALLOUET LOJIS DR  
OBSERVATOIRE  
DE PARIS  
61 AVE OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- GALLOWAY DAVID DR  
MPI FUER ASTROPHYSIK  
KARL-SCHWARZSCHILD-  
STR 1  
D-8046 GARCHING B M  
GERMANY, F.R.
- GALPERIN YU I DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.
- GALT JOHN A DR  
DOMINION RADIO  
ASTROPHYSICAL OBS  
BOX 248  
PENTICTON BC V2A 6K3  
CANADA
- GAMALELDIN ABDULLA I DR  
HELWAN OBSERVATORY  
HELWAN-CAIRO  
ARAB REP. OF EGYPT
- GAMMELGAARD PETER PROF  
ASTRONOMISK INSTITUT  
AARHUS UNIVERSITET  
DK-8000 AARHUS  
DENMARK
- GAPOSCHKIN E M DR  
55 FARMCREST AVE  
LEXINGTON MA 02173  
U.S.A.
- GAPOSHKIN SERGEI ILLAR DR  
HARVARD COLLEGE  
OBSERVATORY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- GARCIA-PELAYO JOSE DR  
PASEO DE LA RONDA  
92 6C  
GRANADA  
SPAIN
- GARDNER FRANCIS F DR  
CSIRO DIVISION OF  
RADIOPHYSICS  
P O 76  
EPPING NSW 2121  
AUSTRALIA
- GARFINKEL BORIS DR  
YALE UNIVERSITY  
OBSERVATORY  
NEW HAVEN CT 06520  
U.S.A.
- GARLICK GEORGE F DR  
267 SOUTH BELLOIT AVE  
LOS ANGELES CA 90049  
U.S.A.

- GARMANY CATHERINE D DR  
JILA  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.
- GARRISON ROBERT F PROF  
DAVID DUNLAP OBS  
P O BOX 350  
RICHMOND HILL  
ONT L4C 4Y6  
CANADA
- GARZOLI S L DR  
M T DE ALVEAR 2412  
4 H  
BUENOS AIRES  
ARGENTINA
- GATEWOOD GEORGE DIRECTOR  
ALLEGHENY OBS  
OBSERVATORY STATION  
PITTSBURG PA 15214  
U.S.A.
- GAUSTAD JOHN F PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- GAVRILOV I V DR  
MAIN ASTRONOMICAL  
OBS OF THE UKRAINIAN  
ACAD OF SCIENCES  
252127 KIEV  
U.S.S.R.
- GEbbie KATHARINE B DR  
JILA  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80302  
U.S.A.
- GEHREN THOMAS PH D  
INST ASTRON/ASTROPH  
UNIV MUENCHEN  
SCHEINERSTRASSE 1  
D-8000 MUENCHEN 80  
GERMANY, F.R.
- GELFREJKH GEORGIJ B DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- GENT HUBERT MR  
PROSPECT HOUSE  
SHERWOOD LANE  
LOWERWICK  
WORCS WR2 4NX  
U.K.
- GEORGELIN YVONNE M DR  
OBS DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE
- GERBALDI MICHELE DR  
INST D ASTROPHYSIQUE  
9B BIS BD ARAGO  
F-75014 PARIS  
FRANCE
- GARMIRE GORDON P PROF  
320-47 CALTECH  
PASADENA CA 91125  
U.S.A.
- GARSTANG ROY H PROF  
JILA UNIVERSITY  
COLORADO  
BOULDER CO 80309  
U.S.A.
- GASCOIGNE S C B DR  
MT STROMLO  
OBSERVATORY  
WODEN PO ACT 2606  
AUSTRALIA
- GAUR V P  
UTTAR PRADESH  
STATE OBSERVATORY  
NAINITAL UP  
INDIA
- GAUTIER DANIEL  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- GAY JEAN DR  
CERGA  
AVE COPERNIC  
F-06130 GRASSE  
FRANCE
- GEBLER KARL-HEINZ DR  
RADIOASTRONOMISCHES  
INST DER UNIV BONN  
AUF DEM HUEGEL 71  
D-5300 BONN 1  
GERMANY, F.R.
- GEHRZ ROBERT DOUGLAS DR  
DEPT PHYSICS ASTRON  
UNIV OF WYOMING  
UNIV STA BOX 3905  
LARAMIE WY 82071  
U.S.A.
- GELLER MARGARET JOAN  
CENTER FOR ASTROPHYS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- GENZEL REINHARD DR  
DEPT OF PHYSICS  
UNIV OF CALIFORNIA  
563 BIRGE HALL  
BERKELEY CA 94720  
U.S.A.
- GERARD ERIC DR  
OBSERVATOIRE DE  
MEUDON DEPT DE RADIO  
ASTRONOMIE  
F-92190 MEUDON  
FRANCE
- GERGELY TOMAS ESTEBAN DR  
ASTRONOMY PROGRAM  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- GARNIER ROBERT ING  
OBSERVATOIRE DE LYON  
F-69230 ST-GENIS-  
LAVAL  
FRANCE
- GARTON W R S PROF  
BLACKETT LABORATORY  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.
- GASKA STANISLAW DR  
INSTITUTE ASTRONOMY  
UL CHOPINA 12-18  
87-100 TORUN  
POLAND
- GAUSS F STEPHEN  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- GAVIOLA ENRIQUE PROF DR  
INSTITUTO BALSEIRO  
8400 BARILOCHE  
ARGENTINA
- GEAKE JOHN E DR  
PHYSICS DEPT  
U M I S T  
MANCHESTER M60 1QD  
U.K.
- GEHRELS TOM PROF  
LUNAR LABORATORY  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.
- GEISS JOHANNES PROF  
PHYS INST  
UNIVERSITAET BERN  
SIDLERSTR 5  
CH-3012 BERN  
SWITZERLAND
- GENKIN IGOR L PROF DR  
PHYSICS FACULTY  
KAZAKH STATE UNIV  
KOMSOMOLSKAYA 96  
480012 ALMA ATA  
U.S.S.R.
- GEORGELIN YVON P DR  
OBSERVATOIRE  
DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE
- GERBAL D DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- GERLEI JTTD  
HELIDOPHYSICAL  
OBSERVATORY  
4010 DEBRECEN  
HUNGARY

GEROLA HUMBERTO DR  
IBM THOMAS J. WATSON  
RESEARCH CENTER  
P O BOX 218  
YORKTOWN HTS NY 10598  
U.S.A.

GETMANTSEV G S DR  
RADIOPHYSICAL  
RESEARCH INSTITUTE  
603600 GURKIJ  
U.S.S.R.

GHIGO FRANCIS D DR  
DEPT OF ASTRONOMY  
UNIV OF MINNESOTA  
116 CHURCH ST SE  
MINNEAPOLIS MN 55455  
U.S.A.

GIACCONI RICCARDO PROF  
DIRECTOR SPACE TELE  
SCOP SCIENCE INST  
HOMEROOD CAMPUS  
BALTIMORE MD 21218  
U.S.A.

GIANNUZZI MARIA A DR  
PIAZZA GRAMSCI 4  
I-00041 ALBANO  
LAZIALE  
ITALY

GIERASCH PETER J DR  
318 SPACE SC BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.

GIESEKING FRANK DR  
OBS HOHER LIST  
UNIV STERNWARTEN BONN  
D-5568 DAUN  
GERMANY, F.R.

GILLINGHAM PETER DR  
ANGLO AUSTRALIAN OBS  
PRIVATE BAG  
COONABARABRAN  
NSW 2857  
AUSTRALIA

GILMORE GERARD FRANCIS  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3J  
U.K.

GINGOLD ROBERT ARTHUR DR  
MOUNT STROMLO &  
SIDING SPRING OBS  
PRIVATE BAG  
WODEN P O ACT 2606  
AUSTRALIA

GIOVANELLI RONALD G DR  
NATIONAL MEASUREMENT  
LABORATORY  
PO BOX 218  
LINDFIELD NSW 2070  
AUSTRALIA

GIOVANNINI FONZI C  
OSS ASTRONOMIC  
VIA ZAMBONI 33  
BOLOGNA  
ITALY

GEROYANNIS B S DR  
DEPT OF ASTRONOMY  
UNIV OF PATRAS  
PATRAS  
GREECE

GEYER EDWARD H PROF DR  
OBSERVATORIUM  
HOHER LIST  
D-5568 DAUN EIFEL  
GERMANY, F.R.

GHOUBROS RUSHDY AZER DR  
HELWAN OBSERVATORY  
HELWAN NR CAIRO  
ARAB REP. OF EGYPT

GIACCHETTI RICCARDO DR  
VIA BOLOGNESE 98  
I-50100 FIRENZE  
ITALY

GIBSON DAVID MICHAEL DR  
PHYSICS DEPT  
NM INST MINING TECHN  
CAMPUS STATION  
SOCORRO NM 87801  
U.S.A.

GIEREN WOLFGANG P DR  
DEPTO DE FISICA  
UNIV DE LOS ANDES  
APARTADO AEREO 4976  
BOGOTA  
COLOMBIA

GIETZEN JOSEPH W  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

GILMAN PETER A DR  
ADVANCED STUDY PROGR  
NAT CTR FOR ATM RES  
BOX 3000  
BOULDER CO 80307  
U.S.A.

GILRA DAYA P DR  
KAPTEYN ASTRON INST  
UNIVERSITY GRONINGEN  
P O BOX 800  
9700 AV GRONINGEN  
THE NETHERLANDS

GINZBURG VITALY L PROF  
P N LEBEDEV PHY INST  
LENINSKY PROSPECT 53  
11724 GSP  
MOSCOW B 333  
U.S.S.R.

GIOVANNELLI FRANCO DR  
LAB ASTRONOMIC SPAZ  
P O B 67  
I-00044 FRASCATI  
ITALY

GIOVANNINI GABRIELE  
ISTITUTO DI  
RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY

GERSHBERG R E DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY  
NAUCHNY  
334413 CRIMEA  
U.S.S.R.

GEZARI DANIEL YSA DR  
NASA-GSFC  
CODE 693 2  
GREENBELT MD 20771  
U.S.A.

GIACAGLIA G E O PROF  
ESCOLA POLITECNICA  
U S P  
CAIXA POSTAL 8174  
SAO PAULO  
BRAZIL

GIANNONE PIETRO PROF  
OBSERVATORIO  
ASTRONOMICO  
V D PARCO MELLINI 84  
I-00136 ROMA  
ITALY

GIGLAS H L MR  
LOWELL OBSERVATORY  
BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.

GIESE RICHARD H PROF  
RUHR UNIVERSITAET  
BEREICH EXTRATERRE-  
STRISCHE PHYSIK  
D-4630 BOCHUM  
GERMANY, F.R.

GILLILAND RONALD LYNN  
HIGH ALTITUDE OBS  
NCAR P O BOX 3000  
BOULDER CO 80307  
U.S.A.

GILMORE ALAN C MR  
P O BOX 20  
LAKE TEKAPO  
NEW ZEALAND

GINGERICH OWEN PROF  
CTR FOR ASTROPHYSICS  
CAMBRIDGE MA 02138  
U.S.A.

GIOIA ISABELLA M DR  
LAB RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY

GIOVANNELLI RICCARDO DR  
ARECIBO OBS  
P O BOX 995  
ARECIBO PR 00612  
U.S.A.

GIURICIN GIULIANO  
VIA COLOGNA 45  
I-34127 TRIESTE  
ITALY



- GLAGOLEVSKIY JU V DR  
SPECIAL ASTROPHYSI-  
CAL OBSERVATORY  
USSR ACADEMY OF SCI  
357140 N ARKHYZ  
U.S.S.R.
- GLASS BILLY PRICE DR  
DEPT OF GEOLOGY  
UNIV OF DELAWARE  
NEWARK DE 19711  
U.S.A.
- GLEBOCKI ROBERT DR  
INSTITUTE OF PHYSICS  
UL WITA STWOSZA 57  
80-308 GDANSK  
POLAND
- GLEISSBERG WOLFGANG  
PROF DR  
BUCHENWEG 12  
D-6374 OBERKUNSEL  
GERMANY, F.R.
- GLUSHNEVA I N DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- GNEVYSHEVA RAISA S DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- GODOLI GIOVANNI PROF  
OSSERVATORIO ASTRO-  
FISICO DI ARCETRI  
LARGO ENRICO FERMI 5  
I-50125 FIRENZE  
ITALY
- GOEBEL JOHN H DR  
SPACE SCIENCE DIV  
ASTROPHYS EXP BRANCH  
NASA-AMES RES CTR  
MOFFETT FLD CA 94035  
U.S.A.
- GOKHALE MRESHWAR HARI DR  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560034  
INDIA
- GOLD THOMAS PROF  
SPACE SCIENCE BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- GOLDMAN MARTIN V  
DEPT ASTRO-GEOPHYS  
CAMPUS BOX 391  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.
- GOLDSMITH PAUL F DR  
DEPT PHYSICS ASTRON  
GRC TOWER 3 RM 626  
UNIV OF MASS  
AMHERST MA 01003  
U.S.A.
- GLASER HAROLD DR  
775 UNIVERSITY HALL  
UNIV OF CALIFORNIA  
SYSTEMWIDE ADMINISTR  
BERKELEY CA 94720  
U.S.A.
- GLASS IAN S DR  
S A ASTRONOMICAL OBS  
P O BOX 9  
OBSERVATORY CP 7935  
SOUTH AFRICA
- GLEBOVA NINA I DR  
INST THEORET ASTRON  
USSR ACAD OF SCS  
10 KUTUZOV QUAY  
192187 LENINGRAD  
U.S.S.R.
- GLENCROSS WILLIAM M DR  
DEPT OF PHYSICS-ASTR  
UNIVERSITY COLLEGE  
GOWER STREET  
LONDON WC1E 6BT  
U.K.
- GNEJIN YURIJ N DR  
LENINGRAD PHYSICAL  
TECHNICAL INST  
194021 LENINGRAD  
U.S.S.R.
- GODART ODDON PROF  
RUE DE CHATEAU 96  
B-1288 ROUSVAL  
BELGIUM
- GODWIN J G DR  
UNIV OBSERVATORY  
SOUTH PARKS ROAD  
OXFORD OX1 3RQ  
U.K.
- GOELBASI ORHAN DR  
ISTANBUL UNIVERSITY  
FACULTY OF SCIENCE  
ISTANBUL  
TURKEY
- GOKMEN TARIK ASSOC PROF  
UNIVERSITY  
OBSERVATORY  
34 ISTANBUL  
TURKEY
- GOLOBACH C MME  
INST D'ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE
- GOLDREICH P J  
CALTECH  
PASADENA CA 91109  
U.S.A.
- GOLDSMITH S. DR.  
DEPT. OF PHYSICS AND  
ASTRONOMY  
TEL AVIV UNIVERSITY  
TEL AVIV  
ISRAEL
- GLASPEY JOHN W DR  
DEPT DE PHYSIQUE  
UNIV DE MONTREAL  
CP 6128 SUCC A  
MONTREAL QUE H3C 3J7  
CANADA
- GLASSGOLD ALFRED E PROF  
NEW YORK UNIVERSITY  
PHYSICS DEPT  
NEW YORK NY 10003  
U.S.A.
- GLEDHILL JOHN A PROF  
DEPT OF PHYSICS  
RHODES UNIVERSITY  
P O BOX 94  
GRAHAMSTOWN 6140  
SOUTH AFRICA
- GLIESE WILHELM DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHENSTR 12 14  
D-6901 HEIDELBERG  
GERMANY, F.R.
- GNEVYSHEV MSTITSLAV N DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- GODFREY PETER DOUGLAS DR  
CHEMISTRY DEPT  
MONASH UNIVERSITY  
WELLINGTON ROAD  
CLAYTON VIC 3168  
AUSTRALIA
- GOEBEL ERNST DR  
INST F ASTRONOMIE  
UNIVERSITAET WIEN  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- GOKDOGAN NUZHET PROF  
UNIVERSITY  
OBSERVATORY  
UNIV ISTANBUL  
ISTANBUL  
TURKEY
- GOLAY MARCEL PROF  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND
- GOLDBERG LEO PROF  
KITT PEAK NATIONAL  
OBSERVATORY  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- GOLDSMITH DONALD W. DR.  
2153 RUSSELL STREET  
BERKELEY CA 94705  
U.S.A.
- GOLDSTEIN RICHARD M DR  
JET PROPULSION  
LABORATORY  
4800 OAK GROVE DRIVE  
PASADENA CA 91011  
U.S.A.

- GOLDSTEIN SAMUEL J PROF  
UNIVERSITY VIRGINIA  
PO BOX 3818  
CHARLOTTESVILLE  
VA 22903  
U.S.A.
- GOLLNOW H DR  
MT STROMLO OBS  
CANBERRA ACT  
AUSTRALIA
- GOMEZ GONZALEZ J DR  
PASEO IMPERIAL 29 6H  
MADRID 5  
SPAIN
- GONDOLATSCH FRIEDRICH PRF  
ASTRONOMISCHES  
RECHENINSTITUT  
MOENCHHOEFSTR 12-14  
D-6900 HEIDELBERG  
GERMANY, F.R.
- GONZALES-A WALTER D DR  
INST PESQUISAS  
ESPACIAIS  
INPE C P 515  
12200 S JOSE CAMPOS  
BRAZIL
- GOODY R M  
CEPP  
PIERCE HALL  
29 OXFORD STREET  
CAMBRIDGE MA 02138  
U.S.A.
- GOPALA RAO U V MR  
ASTROPHYSICAL OBS  
KODAIKANAL 3  
INDIA
- GORDON CHARLOTTE PROF  
11 RUE TOURNEFURT  
359 FO BATIMENT C  
F-75005 PARIS  
FRANCE
- GORDON CURTISS J PROF  
HAMPSHIRE COLLEGE  
AMHERST MA 01002  
U.S.A.
- GORET P DR  
SECT D\*ASTROPHYSIQUE  
CEN SACLAY  
B P NO 2  
F-91190 GIF-S-YVETTE  
FRANCE
- GOSLING JOHN T DR  
P4- MS436  
LOS ALAMOS SCIENTI-  
FIC LABORATORY  
LOS ALAMOS NM 87545  
U.S.A.
- GOTT III J RICHARD  
ASST PROF  
DEPT ASTROPHYS SC  
PRINCETON UNIVERSITY  
PRINCETON NJ 08540  
U.S.A.
- GOLDSWORTHY FREDERICK A  
PROF  
SCHOOL MATHEMATICS  
UNIVERSITY OF LEEDS  
LEEDS LS2 9JT  
U.K.
- GOLUB LEON DR  
HARVARD COLLEGE  
OBSERVATORY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- GOMEZ MARIA THERESA DR  
OSSERVATORIO ASTRO-  
NOMICO  
NAPOLI  
ITALY
- GONG HUI-REN  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA
- GONZALEZ G  
INST NAC DE ASTROFIS  
OPT Y ELECTRONICA  
APT POSTALES 216 51  
PUEBLA PUE  
MEXICO
- GOOSSENS MARCEL DR  
LUZENHOEKSTRAAT 127  
B-2850 KEEBERGEN  
BELGIUM
- GOPASYUK S I DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- GORDON COURTNEY P PROF  
HAMPSHIRE COLLEGE  
AMHERST MA 01002  
U.S.A.
- GORDON MARK A DR  
NAT RADIO ASTRONOMY  
OBS SUITE 100  
2010 N FORBES BLVD  
TUCSON AZ 85705  
U.S.A.
- GORGOLEWSKI STANISLAW DR  
INST OF ASTRONOMY  
NIC COPERNICUS UNIV  
CHOPINA 12-18  
87100 TORUN  
POLAND
- GOSS W MILLER DR  
KAPTEYN ASTRONOMICAL  
INSTITUTE  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- GOTTESMAN STEPHEN T DR  
PHYSICS AND  
ASTRONOMY  
UNIVERSITY FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- GOLDWIRE HENRY C JR  
UNIVERSITY OF  
CALIFORNIA LASL  
BOX 1663 MS 420  
LOS ALAMOS NM 87545  
U.S.A.
- GOMES ALERCIO M DR  
R GAVIAO PEIXOTO 13  
AP 1401  
ICARAI 24000  
NITEROI ERJ  
BRAZIL
- GONDHALKAR PRABHAKAR DR  
RUTHERFORD & APPLE-  
TON LABS  
CHILTON DIDCOT  
OXFORDSHIRE OX11 0QX  
U.K.
- GONG SHU-MO  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- GONZE ROGER F J IR  
OBSERVATOIRE ROYAL  
DE BELGIE  
AVE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM
- GOPAL KRISHNA  
RADIO ASTRONOMY GR  
IFR CENTRE  
INDIAN INST OF SC  
BANGALORE 560 012  
INDIA
- GORBATSKY VITALIJ G PROF  
LENINGRAD UNIVERSITY  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- GORDON I M DR  
INSTITUTE OF RADIO  
PHYSICS AND  
ELECTRONICS  
310085 KHARKOV  
U.S.S.R.
- GORENSTEIN PAUL DR  
CENTER FOR ASTRO-  
PHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- GOSACHINSKI I V DR  
LENINGRAD BRANCH OF  
SAO  
196140 LENINGRAD  
U.S.S.R.
- GOSSNER SIMONE D MRS  
415 E 50TH STREET  
NEW YORK NY 10022  
U.S.A.
- GOTTLIEB CARL A DR  
GOODARD INST FOR  
SPACE STUDIES  
2880 BRAD WAY  
NEW YORK NY 10025  
U.S.A.

- GOTTLIEB KURT  
46 JENNINGS STREET  
CURTIN ACT 2605  
AUSTRALIA
- GOUGH DOUGLAS O DR  
INST OF ASTRONOMY  
MADINGLEY RD  
CAMBRIDGE CB3 0HA  
U.K.
- GOUTTEBROZE PIERRE DR  
LPSP  
B.P.10  
F-91370 VERRIERES-LE  
-BUISSON  
FRANCE
- GOY GERALD DR  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY  
SWITZERLAND
- GRABOWSKI BOLESŁAW DR  
INSTITUTE OF PHYSICS  
UL OLESKA 48  
45951 OPOLE  
POLAND
- GRAHAM JOHN A DR  
CERRO TOLOLO  
INTERAMERICAN OBS  
CASILLA 63 D  
LA SERENA  
CHILE
- GRANDI STEVEN ALDRIDGE DR  
DEPT OF ASTRONOMY  
MATH SCS BLDG  
UNIV OF CALIFORNIA  
LOS ANGELES CA 90024  
U.S.A.
- GRATTON LIVIO PROF  
LABORATORIO DI  
ASTROFISICA SPAZIALE  
CAS POST 67  
I-00044 FRASCATI  
ITALY
- GRAYZECK EDWIN J DR  
PHYSICS DEPT  
UNIV OF NEVADA  
4505 S MARYLAND PKY  
LAS VEGAS NV 89154  
U.S.A.
- GREEN JACK PROF  
DEPT OF GEOLOGY  
CALIF STATE UNIVER-  
SITY-LONG BEACH  
LONG BEACH CA 90840  
U.S.A.
- GREENBERG J MAYO DR  
HUYGENS LABORATORY  
UNIVERSITY OF LEIDEN  
WASSENAARSEWEG 78  
2300 RA LEIDEN  
THE NETHERLANDS
- GREENSTEIN J L PROF  
HALE OBSERVATORIES  
CALIF INST OF TECH  
1201 E CALIFORNIA ST  
PASADENA CA 91125  
U.S.A.
- GOUDAS CONSTANTINE L PROF  
DEPT OF MECHANICS  
UNIVERSITY OF PATRAS  
PATRAS  
GREECE
- GOUGUENHEIM LUCIENNE  
OBSERVATOIRE  
DE MEUDON  
RADIOASTRONOMIE  
F-92190 MEUDON  
FRANCE
- GOWER ANN C DR  
UNIVERSITY OF VICTO-  
RIA OBSERVATORY  
VICTORIA BC V8W 2Y2  
CANADA
- GOYAL A N DR  
DEPT OF MATHEMATICS  
UNIV OF RAJASTHAN  
JAIPUR  
INDIA
- GRADSZTAJN E DR  
DEPT PHYSICS/ASTRON  
TEL-AVIV UNIVERSITY  
RAMAT-AVIV 69 978  
ISRAEL
- GRAHL BERND H DR  
MPI FUER RADIOASTRO-  
NOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- GRANT IAN P DR  
PEMBROKE COLLEGE  
OXFORD OX1 1DW  
U.K.
- GRAUER ALBERT O  
DEPT OF PHYS & ASTRO  
UALR  
33RD & UNIVERSITY  
LITTLE ROCK AR 72204  
U.S.A.
- GREBENIKOV E A PROF DR  
INSTITUTE OF THEORE-  
TICAL AND EXPERIMEN-  
TAL PHYSICS  
117259 MOSCOW  
U.S.S.R.
- GREEN LOUIS C PROF  
HAVERFORD COLLEGE  
HAVERFORD PA 19041  
U.S.A.
- GREENBERG RICHARD DR  
PLANETARY SCIENCE  
INSTITUTE  
2030 E SPEEDWAY  
TUCSON AZ 85719  
U.S.A.
- GREGORINI LORETTA  
ISTITUTO DI  
RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- GOUDIS CHRISTOS D PROF  
UNIVERSITY OF PATRAS  
DEPT. OF ASTRONOMY  
PATRAS  
GREECE
- GOULD ROBERT J PROF  
PHYSICS DEPT  
UCSD  
LA JOLLA CA 92093  
U.S.A.
- GOWER J F R DR  
1615 MCTAVISH ROAD  
R R 2  
SIDNEY BC V8L 3S1  
CANADA
- GRABDSKE HAROLD C JR  
LAWRENCE LIVERMORE  
LABORATORY  
P O BOX 808  
LIVERMORE CA 94550  
U.S.A.
- GRAHAM ERIC DR  
HIGH ALTITUDE OBS  
NATL CENTER ATMO RES  
PO BOX 3000  
BOULDER CO 80307  
U.S.A.
- GRAINGER J F DR  
PHYSICS DEPT  
UMIST  
MANCHESTER M60 1QD  
U.K.
- GRASDALEN GARY L DR  
DEPT PHYSICS ASTRON  
UNIV OF WYOMING  
P O BOX 3905 UN STA  
LARAMIE WY 82071  
U.S.A.
- GRAY DAVID F PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
WESTERN ONTARIO  
LONDON ONT N6A 5B9  
CANADA
- GREC GERARD  
DEPT D\*ASTROPHYSIQUE  
UNIVERSITE DE NICE  
PARC VALROSE  
F-06034 NICE  
FRANCE
- GREEN ROBIN M DR  
DEPT OF ASTRONOMY  
GLASGOW UNIVERSITY  
GLASGOW G12 8QQ  
U.K.
- GREENSTEIN GEORGE PROF  
AMHERST COLLEGE  
ASTRONOMY DEPT  
AMHERST MA 01002  
U.S.A.
- GREGORY PHILIP C DR  
PHYSICS DEPT  
UNIVERSITY OF BC  
2075 WESBROOK MALL  
VANCOUVER BC V6T 1W5  
CANADA

- GREGORY STEPHEN ALBERT DR  
PHYSICS DEPT  
BOWLING GREEN STATE  
UNIVERSITY  
BOWLING GRN OH 43403  
U.S.A.
- GRENON MICHEL DR  
OBS DE GENEVE  
CH-1290 SAUVERNY  
SWITZERLAND
- GREYBER HOWARD D DR  
10123 FALLS ROAD  
POTOMAC MD 20854  
U.S.A.
- GRIFFITH JOHN S PROF  
DEPT OF MATH SC  
LAKEHEAD UNIVERSITY  
THUNDER BAY  
ONT P7B 5E1  
CANADA
- GRINDLAY JONATHAN E DR  
HARVARD SMITHSONIAN  
CENTER FOR ASTROPHYS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- GROSBOL PREBEN JOHNSON DR  
ESO  
K-SCHWARZSCHILD-ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.
- GROSSMAN LAWRENCE PROF  
DEPT GEOPHYSICAL SC  
UNIVERSITY CHICAGO  
5734 SOUTH ELLIS AVE  
CHICAGO IL 60637  
U.S.A.
- GROTH EDWARD J III  
PHYSICS DEPT  
JADWIN HALL  
PRINCETON UNIVERSITY  
PRINCETON NJ 08540  
U.S.A.
- GRUDLER PIERRE  
C E R G A  
AVE COPERNIC  
F-06130 GRASSE  
FRANCE
- GRUEN EBERHARD DR  
MPI FUER KERNPHYSIK  
POSTFACH 102 980  
D-6900 HEIDELBERG  
GERMANY, F.R.
- GRYGAR JIRI DR  
INST OF PHYSICS  
CZECHOSLOVAK ACAD SC  
CS-250 68 REZ  
CZECHOSLOVAKIA
- GUBANOV VADIM S DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- GREGUL A YA DR  
OBSERVATORY OF THE  
KIEV UNIVERSITY  
OBSERVATORNAJA 3  
252053 KIEV  
U.S.S.R.
- GREVESSE N DR  
INSTITUT  
D ASTROPHYSIQUE  
B-4200 COINTE-BOUGREE  
BELGIUM
- GRIFFIN RITA E M DR  
THE OBSERVATORIES  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- GRIFFITHS RICHARD E DR  
HARVARD SMITHSONIAN  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- GRININ V P DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- GROSS PETER G PROF  
WARNER SWASEY  
OBSERVATORY  
1975 TAYLOR RD  
CLEVELAND OH 44112  
U.S.A.
- GROSSMANN-DUERTH U DR  
KIEPENHEUER INST  
FUER SONNENPHYSIK  
SCHOENECKSTR 5  
D-7800 FREIBURG  
GERMANY, F.R.
- GROTH HANS G PROF DR  
INST ASTRON/ASTROPH  
UNIV MUENCHEN  
SCHEINERSTRASSE 1  
D-8000 MUENCHEN 80  
GERMANY, F.R.
- GRUDZINSKA STEFANIA DR  
INST OF ASTRONOMY  
UL CHOPINA 12-18  
MIKOLAJA KOPERNIKA  
87100 TORUN  
POLAND
- GRUNDMANN WALTER  
DOMINION ASTR/PHYSI-  
CAL OBSERVATORY  
5071 W SAANICH ROAD  
VICTORIA BC V8X 4M6  
CANADA
- GRZEDZIELSKI STANISLAW DR  
POLISH ACAD OF SC  
SPACE RESEARCH CTR  
ORDNA 21  
01-237 WARSZAWA  
POLAND
- GUDUR N DR  
EGE UNIVERSITY  
OBSERVATORY  
P.O. 21 BORNOVA  
IZMIR  
TURKEY
- GREISEN KENNETH I PROF  
DEPT OF ASTRONOMY  
228 SPACE SC BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- GREWING MICHAEL PROF  
ASTRONOMISCHES INST  
UNIVERSITAET  
WALDHAUSERSTR 64  
D-7400 TUEBINGEN  
GERMANY, F.R.
- GRIFFIN ROGER F DR  
THE OBSERVATORIES  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- GRIGORJEV VICTOR M DR  
SIBERIAN INST OF TER  
MAGN, IONOSPHERAD W P  
P BOX 4  
664697 IRKUTSK  
U.S.S.R.
- GRISHCHUK L P DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- GROSSMAN ALLEN S PROF  
ERWIN FICK  
OBSERVATORY  
IOWA ST UNIVERSITY  
AMES IA 50011  
U.S.A.
- GROEN ERWIN PROF  
INST F PHYSIKALISCHES  
GEODAESIE  
PETERSENSTR 13  
D-6100 DARMSTADT  
GERMANY, F.R.
- GRUBISSICH C PROF DR  
VIA ADSTA 34/5  
I-35100 PADOVA  
ITALY
- GRUEFF GAVRIL DR  
LABORATORIO DI RADIO  
ASTRONOMIA C N R  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- GRUSHINSKIY N P PROF DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- GUARNIERI ADRIANO DR  
OSSERVATORIO  
ASTRONOMICO  
VIA ZAMPONI 33  
I-40126 BOLOGNA  
ITALY
- GUELIN MICHEL DR  
OBSERVATOIRE DE  
MEUDON  
F-92190 MEUDON  
FRANCE

- GUERIN PIERRE DR  
INST D ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- GUERRERO GIANANTONIO DR  
OSSERVATORIO ASTRO-  
NOMICO  
MERATE  
MILANO  
ITALY
- GUEST JOHN E DR  
UNIVERSITY OF LONDON  
OBSERVATORY  
MILL HILL PARK  
LONDON NW7 2QS  
U.K.
- GUETTER HARRY HENDRICK  
US NAVAL OBSERVATORY  
P O BOX 1149  
FLAGSTAFF AZ 86002  
U.S.A.
- GUTBERT JEAN DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- GUIDICE DONALD A DR  
A F GEOPHYSICS  
LABORATORY  
HANSCOM AFB MA 01731  
U.S.A.
- GUINAN EDWARD FRANCIS DR  
DEPT OF ASTRONOMY  
VILLANOVA UNIV  
VILLANOVA PA 19085  
U.S.A.
- GUINOT BERNARD R PROF  
BUREAU INTERNATIONAL  
DE L HEURE  
61 AV L OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- GULKIS SAMUEL DR  
JET PROPULSION  
LABORATORY  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- GULL STEPHEN F DR  
ST JOHN'S COLLEGE  
CAMBRIDGE  
U.K.
- GULL THEODORE R DR  
CODE 683  
GODDARD  
SPACE FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.
- GULLIVER AUSTIN FRASER DR  
DEPT OF PHYSICS  
UNIV OF ALBERTA  
EDMONTON ALB T6G 2J1  
CANADA
- GULMEN DMUR DR  
EGE UNIVERSITY  
OBSERVATORY  
PK 21  
BORNOVA IZMIR  
TURKEY
- GULYAEV A P DR  
STERNBERG ASTRO INST  
UNIVERSITETSKIJ  
PROSPEKT 13  
117234 MOSCOW  
U.S.S.R.
- GULYAEV RUDOLF A DR  
IZMIRAN  
AKADEMGORODOK  
142092 MOSCOW REGION  
U.S.S.R.
- GUNN JAMES E PROF  
DEPT ASTROPHYS SCS  
PRINCETON UNIVERSITY  
PRINCETON NJ 08544  
U.S.A.
- GUO QUAN SHI  
PURPLE MOUNTAIN OBS  
ACADEMIA SINICA  
NANJING  
PEOPLE'S REPUBLIC CHINA
- GURM HARDEN S DR  
DEPT OF ASTRONOMY  
AND SPACE SCIENCES  
PANJABI UNIVERSITY  
PATIALA 147002  
INDIA
- GURSHTAIN A A DR  
INST HIST SC & TECHN  
USSR ACAD OF SCIENCE  
STAROPANSKY 1/5  
103012 MOSCOW  
U.S.S.R.
- GURSKY HERBERT DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- GURTOVENKO E A DR  
MAIN ASTRONOMICAL  
OBS UKRAINIAN ACAD  
OF SCIENCES  
252127 KIEV  
U.S.S.R.
- GURZADIAN G A PROF DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- GUSEJNOV R EH DR  
SHEMAKHA ASTROPHYSI-  
CAL OBSERVATORY  
373243 AZERBAIDZAN  
U.S.S.R.
- GUSTAFSSON BENGT DR  
ASTRONOMICAL  
OBSERVATORY  
BOX 515  
S-751 20 UPPSALA  
SWEDEN
- GUTCKE DIETRICH  
CARL-ZEISS STR 1  
DDR-6900 JENA  
G.D.R.
- GUTHRIE BRUCE N G DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH  
EDINBURGH EH9 3HJ  
U.K.
- GUTIERREZ-MORENO A DR MRS  
DEP DE ASTRONOMIA  
UNIVERSIDAD DE CHILE  
CASILLA 36-D  
SANTIAGO  
CHILE
- GYLDENKERNE KJELD DR  
COPENHAGEN UNIVER-  
SITY OBSERVATORY  
BRORFELDE  
DK-4340 TOLLOSE  
DENMARK
- HABBAL SHADIA RIFAI  
HARVARD CILL OBS  
60 GARDEN STRFET  
CAMBRIDGE MA 02138  
U.S.A.
- HABIBULLIN SH T PROF DR  
ENGELGARDT ASTRONO-  
MICAL OBSERVATORY  
422526 KAZAN  
U.S.S.R.
- HABING H J DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- HACHENBERG OTTO PROF DR  
RADIOASTRON INST DER  
UNIV BONN  
AUF DEM HJEGEL 71  
D-5300 BONN  
GERMANY, F.R.
- HACHISU IZUMI DR  
DEPT OF AERONAUTICAL  
ENGINEERING  
KYOTO UNIVERSITY  
KYOTO 606  
JAPAN
- HACK MARGHERITA PROF  
OSSERVATORIO  
ASTRONOMICO  
VIA TIEPOLO 11  
I-34131 TRIESTE  
ITALY

- HACKWELL JOHN A DR  
DEPT PHYSICS ASTRON  
UNIV OF WYOMING  
LARAMIE WY 82070  
U.S.A.
- HADJIDEMETRIOU JOHN DPROF  
DEPT OF THEORETICAL  
MECHANICS  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE
- HAERENDEL G DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
INST EXTRATERR PHYS  
D-8046 GARCHING  
GERMANY, F.R.
- HAGEN-THORN V A DR  
LENINGRAD UNIVERSITY  
10 LINIJA 33  
199178 LENINGRAD  
U.S.S.R.
- HAJDUK ANTON DR  
ASTRONOMICAL INST  
SAV  
DUBRAVSKA CESTA A/11  
89930 BRATISLAVA  
CZECHOSLOVAKIA
- HALL DOUGLAS S DR  
DYER OBSERVATORY  
VANDERBILT  
UNIVERSITY  
NASHVILLE TN 37235  
U.S.A.
- HALLAM KENNETH L DR  
CODE 685 LAB FOR  
ASTRON SOLAR PHYSICS  
GSFC  
GREENBELT MD 20771  
U.S.A.
- HAMAJIMA KIYOTOSHI DR  
KISO BRANCH OF THE  
TOKYO ASTRON OBS  
MITAKEMURA KISOGUN  
NAGANOKEN 397-01  
JAPAN
- HAMID S EL DIN DR  
DEPT OF ASTRONOMY  
FACULTY OF SCIENCE  
UNIVERSITY FUJAD  
GIZA CAIRO  
ARAB REP. OF EGYPT
- HAMMERSCHLAG-HENSBERGE  
G DR  
ASTRONOMICAL INST  
ROETERSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- HANASZ JAN DR  
ASTRONOMICAL CENTER  
UL CHOPINA 12/13  
MICAL CENTRE P A N  
87100-TORUN  
POLAND
- HANG HENG-RONG  
PURPLE MOUNTAIN OBS  
NANJING  
PEOPLE'S REPUBLIC CHINA
- HACYAN SHAHEN DR.  
INST DE ASTRONOMIA  
UNAM  
APDO POSTAL 70-264  
04510 MEXICO DF  
MEXICO
- HAEFNER REINHOLD DR  
UNIV STERNWART  
SCHEINERSTRASSE 1  
D-8000 MUENCHEN 80  
GERMANY, F.R.
- HAGEN JOHN P  
613 W PARK AVE  
STATE COLLEGE  
PA 16801  
U.S.A.
- HAGFORS T DR  
MIT LINCOLN LAB  
MILLSTON/HAYSTACK  
LEXINGTON MA 02173  
U.S.A.
- HALL ANDREW NORMAN  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RJ  
U.K.
- HALL JOHN S DR  
STAR ROUTE 1  
BOX 97  
SEDONA AZ 86336  
U.S.A.
- HALLIDAY I DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NATIONAL RES COUNCIL  
OTTAWA ONT K1A 0R6  
CANADA
- HAMDY M A M DR  
HELWAN OBSERVATORY  
HELWAN  
ARAB REP. OF EGYPT
- HAMILTON P A DR  
UNIV OF TASMANIA  
HOBART TASMANIA  
AUSTRALIA
- HAMZAOGLU ESAT E H DR  
EGE UNIVERSITESI  
FEN FAKULTESI  
GOK 9ILIMLERI ENST  
BORNOVA IZMIR  
TURKEY
- HANBURY BROWN R PROF  
SCHOOL OF PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- HANKINS TIMOTHY HAMILTON  
DARTMOUTH COLLEGE  
HANOVER NH 03755  
U.S.A.
- HADDOCK FRED T DR  
UNIV OF MICHIGAN  
937 PHYSICS-ASTRONO-  
MY BLDG  
ANN ARBOR MI 48104  
U.S.A.
- HAENSEL PAWEL DR  
N COPERNICUS ASTRON  
CENTER  
BARTYCKA 18  
00-716 WARSAW  
POLAND
- HAGEN WENDY ANNE  
WHITIN OBSERVATORY  
WELLESLEY COLLEGE  
WELLESLEY MA 02181  
U.S.A.
- HAISCH BERNARD MICHAEL  
LOCKHED PALO ALTO  
RESEARCH LABORATORY  
3251 HANOVER STREET  
PALO ALTO CA 94304  
U.S.A.
- HALL DONALD N DR  
KITT PEAK NATIONAL  
OBSERVATORY  
P O 26732  
TUCSON AZ 85726  
U.S.A.
- HALL R GLENN DR  
3612 SPRING STREET  
CHEVY CHASE MD 20015  
U.S.A.
- HAMADA TETSUO PROF  
DEPT OF PHYSICS  
IBARAKI UNIVERSITY  
310 MITO  
JAPAN
- HAMEEN ANTILLA KAARLE A  
DR  
PROF DR  
ASTRONOMY DEPT  
UNIVERSITY OF JUUU  
SF-90100 JUUU 10  
FINLAND
- HAMMERSCHLAG ROBERT H  
DR IR  
ASTRONOMICAL INST  
SERVAAS BOLWERK 13  
3512 NK UTRECHT  
THE NETHERLANDS
- HAN TIANQI  
INST OF GEODESY &  
GEOPHYSICS  
CHIN ACADEMY OF SCS  
WUCHANG HUBEI  
PEOPLE'S REPUBLIC CHINA
- HANES DAVID A DR  
INST OF ASTRONOMY  
UNIV OF CAMBRIDGE  
CAMBRIDGE  
U.K.
- HANNER MARTHA S DR  
JPL  
MS 183-301  
PASADENA CA 91103  
U.S.A.

- HANSEN CARL J PROF  
JILA  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80309  
U.S.A.
- HANSEN ROBERT B DR  
LICK OBSERVATORY  
UNIV OF CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- HAPKE BRUCE W DR  
DEPT EARTH PLANET SC  
321 OLD ENGIN HALL  
UNIV OF PITTSBURGH  
PITTSBURGH PA 15235  
U.S.A.
- HARDEBECK ELLEN G DR  
3106 TUMBLEWEED RD  
BISHOP CA 93514  
U.S.A.
- HARDORP JOHANNES PROF  
DEPT EARTH SPACE SC  
STATE UNIVERSITY  
STONY BROOK NY 11794  
U.S.A.
- HARMER CHARLES F W MR  
ROYAL GREENWICH OBS  
HERSTMONCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- HARO GUILLERMO DR  
INST NAC ASTROFISICA  
OPTICA Y ELECTRONICA  
A P 216 Y 51  
PUEBLA PUE  
MEXICO
- HARRIS ALAN WILLIAM DR  
JPL  
MS 264-720  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- HARRIS STELLA  
DEPT OF PHYSICS  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- HARROWER GEORGE A DR  
LAKEHEAD UNIVERSITY  
THUNDER BAY  
ONT P7B 5E1  
CANADA
- HARTL HERBERT DR  
INST F ASTRONOMIE  
UNIVERSITAETSSTR 4  
A-6020 INNSBRUCK  
AUSTRIA
- HARTMANN WILLIAM K  
PLANETARY SC INST  
2030 E SPEEDWAY  
SUITE 201  
TUCSON AZ 85719  
U.S.A.
- HANSEN LEIF LECTURER  
COPENHAGEN UNIVERSI-  
TY OBSERVATORY  
OSTERVOLDGAJE 3  
DK-1350 COPENHAGEN K  
DENMARK
- HANSSON NILS DR  
LUND OBSERVATORY  
SVANEGATAN 9  
S-222 24 LUND  
SWEDEN
- HARA KEN NOSUKE DR  
SENDAI-SHIRITSU-JOSH  
SENIOR HIGH SCHOOL  
KASHIWAGI 3-3-1  
SENDAI 980  
JAPAN
- HARDEE PHILIP  
DEPT OF PHYS & ASTRO  
UNIV OF ALABAMA  
BOX 1921  
UNIVERSITY AL 35486  
U.S.A.
- HARDY EDUARDO DR PH  
DEPT DE PHYSIQUE  
UNIVERSITE LAVAL  
FAC DES SCS GENIE  
QUEBEC G1K 7P4  
CANADA
- HARMER DIANNE L MRS  
ROYAL GREENWICH OBS  
HERSTMONCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- HARRINGTON J PATRICK DR  
ASTRONOMY PROGRAM  
UNIVERSITY MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- HARRIS DANIEL E DR  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- HARRIS WILLIAM E DR  
DEPT OF PHYSICS  
MCMASTER UNIV  
HAMILTON ONT L8S 4M1  
CANADA
- HART MICHAEL H DR  
PHYSICS DEPT  
TRINITY UNIV  
SAN ANTONIO TX 78284  
U.S.A.
- HARTLEY KENNETH F DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- HARTOOG MARK RICHARD DR  
LICK OBS  
UNIV OF CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- HANSEN RICHARD T MR  
1693 OAK CIRCLE  
LAKE CITY FL 32055  
U.S.A.
- HAJ YUN-XIANG  
DEPT OF ASTRONOMY  
BEIJING NORMAL UNIV  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- HARA TETSUYA DR  
DEPT OF PHYSICS  
KYOTO SANGYO UNIV  
KYOTO 603  
JAPAN
- HARDIE R PROF  
DYER OBSERVATORY  
VANDERBILT  
UNIVERSITY  
NASHVILLE TN 37235  
U.S.A.
- HARMANEC PETR DR  
ASTRONOMICAL INST  
CZECHOSLOVAK ACAD  
OF SCIENCES  
251 65 JONDREJOV  
CZECHOSLOVAKIA
- HARMS RICHARD JAMES DR  
PHYSICS DEPT B-019  
UNIV OF CALIFORNIA  
SAN DIEGO  
LA JOLLA CA 92093  
U.S.A.
- HARRINGTON ROBERT S DR  
U S NAVAL  
OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- HARRIS GRETCHEN L H DR PH  
DEPT OF PHYSICS  
UNIV OF WATERLOO  
WATERLOO ONT  
CANADA
- HARRISON EDWARD R PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY OF MASS  
AMHERST MA 01003  
U.S.A.
- HARTEN RONALD H DR  
RADIOSTERRENWACHT  
POSTBUS 2  
7990 AA OWINGELOO  
THE NETHERLANDS
- HARTMANN LEE WILLIAM  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- HARTQUIST THOMAS WILBUR  
DEPT OF PHYSICS &  
ASTRONOMY  
UNIVERSITY COLLEGE  
LONDON WC1E 6BT  
U.K.

- HARTWICK F DAVID A DR  
UNIVERSITY VICTORIA  
DEPT OF PHYSICS  
VICTORIA BC V8W 2Y2  
CANADA
- HARTZ THEODORE R DR  
COMMUNICATIONS  
RESEARCH CENTER  
POB 11490 STATION H  
OTTAWA ONT K2H 8S2  
CANADA
- HARVEL CHRISTOPHER ALVIN  
6161 STEPHEN'S  
FOREST ROAD  
COLUMBIA MD 21045  
U.S.A.
- HARVEY CHRISTOPHER C DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- HARVEY GALE A DR  
INST F GESCHICHTE D  
NATURWISSENSCHAFTEN  
GOETHE UNIVERSITAET  
D-6000 FRANKFURT  
GERMANY, F.R.
- HARVEY J W DR  
KITTE PEAK NATIONAL  
OBSERVATORY  
950 N CHERRY AVE  
TUCSON AZ 85726  
U.S.A.
- HARVEY PAUL MICHAEL DR  
STEWART OBS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- HARWIT MARTIN PROF  
SPACE SCIENCE BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- HASAN SAIYID STRAJUL  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- HASCHICK AUBREY  
HAYSTACK OBSERVATORY  
WESTFORD MA 01886  
U.S.A.
- HASEGAWA HIROICHI DR  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
SAKYO-KU  
KYOTO 606  
JAPAN
- HASEGAWA ICHIRO DR  
2-3-11 SAIDAIJINO-  
GAMI  
NARA 631  
JAPAN
- HASER LED N K DR  
MPI FUER EXTRATERRE-  
STRISCHE PHYSIK  
D-8046 GARCHING  
GERMANY, F.R.
- HASLAM C GLYN T DR  
MPI F RADIO  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- HASSAN S M DR  
HELWAN INST OF ASTRO-  
NOMY AND GEOPHYSICS  
HELWAN NEAR CAIRO  
ARAB REP. OF EGYPT
- HATTORI AKIRA A PROF  
HIDA OBSERVATORY  
KAMITAKARA  
GIFU KEN 506 13  
JAPAN
- HAUCK BERNARD PROF  
INST D ASTRONOMIE  
UNIVERSITE LAUSANNE  
CH-1290 CHAVANNES  
DES BOIS  
SWITZERLAND
- HAUG EBERHARD DOZ DR  
MOZARTSTRASSE 20  
D-7418 METZINGEN  
GERMANY, F.R.
- HAUG ULRICH PROF  
HAMBURGER STERNWART  
GOJENBERGS WEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.
- HAUGE DIVIND DR  
INSTITUTE OF THEORE-  
TICAL ASTROPHYSICS  
UNIVERSITY OF OSLO  
BLINDERN OSLO 3  
NORWAY
- HAUG HERMANN F PROF  
ASTRONOMISCHES INST  
DER UNIVERSITAET  
UNIVERSITAETSPLATZ 5  
A-8010 GRAZ  
AUSTRIA
- HAUPT RALPH F  
3701 DULWICK DRIVE  
SILVER SPG MD 20906  
U.S.A.
- HAUPT WOLFGANG DR  
GIRONDELLE 105  
D-4630 BOCHUM  
GERMANY, F.R.
- HAVNES JOE DR  
AURORAL OBSERVATORY  
UNIVERSITY OF TROMSO  
N-9000 TROMSO  
NORWAY
- HAWARDEN T G DR  
UK 48 INCH SCHMIDT  
TELESCOPE UNIT  
PRIVATE BAG  
COONABARAN NSW 2857  
AUSTRALIA
- HAWKING STEPHEN W PROF  
DEPT APPLIED MATHS  
AND THEOR PHYSICS  
SILVER STREET  
CAMBRIDGE CB3 9EW  
U.K.
- HAWKINS G S DR  
16 GARDEN ROAD  
WELLESLEY MA 02181  
U.S.A.
- HAYAKAWA SACHIO PROF  
DEPT OF PHYSICS  
NAGOYA UNIVERSITY  
FUROKO CHIKUSAKU  
NAGOYA 464  
JAPAN
- HAYASHI CHUSHIRO PROF  
PHYSICS DEPT  
FACULTY OF SCIENCE  
KYOTO UNIVERSITY  
KYOTO 606  
JAPAN
- HAYES DONALD S DR  
KITTE PEAK NAT OBS  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- HAYLI AVRAM PROF  
OBSERVATOIRE DE LYON  
F-69230 ST GENIS  
LAVAL  
FRANCE
- HAYMES ROBERT C PROF  
DEPT OF SPACE PHY-  
SICS AND ASTRONOMY  
RICE UNIVERSITY  
HOUSTON TX 77001  
U.S.A.
- HAYNES MARTHA P  
NRAO  
P O BOX 2  
GREEN BANK WV 24944  
U.S.A.
- HAYNES RAYMOND F PROF  
CSIRO  
DIV OF RADIOPHYSICS  
P O BOX 76  
EPPING N S W 2121  
AUSTRALIA
- HAYWARD JOHN  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
GLASGOW G12 8QQ  
U.K.



HAZARD CYRIL DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.

HE MIAO-FU  
SHANGHAI OBSERVATORY  
ACADEMIA SINICA  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA

HEARN ANTHONY G DR  
STERREKUNDIG INST  
SERVAAS BOLWERK 13  
3512 NK UTRECHT  
THE NETHERLANDS

HECK ANDRE DR  
VILLAFRANCA SATEL-  
LITE TRACKING STAT  
APARTADO 54065  
MADRID  
SPAIN

HECKLE DOUGLAS W O PROF  
DEPT OF PHYSICS  
ROYAL HOLLOWAY  
COLLEGE  
EGHAM SURREY TW200EX  
U.K.

HEFELE HERBERT PH D  
MPI FUER ASTRONOMIE  
KONIGSTJHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

HEGYI DENNIS J ASS PROF  
RANDALL LABORATORY  
UNIVERSITY OF  
MICHIGAN  
ANN ARBOR MI 48109  
U.S.A.

HEILESEN POUL MARTIN DR  
BOULEVARDEN 14 2 16  
DK-2800 LYNGBY  
DENMARK

HEINTZE J R W DR  
STERREWACHT  
SONNENBORGH  
SERVAAS BOLWERK 13  
3512 NK UTRECHT  
THE NETHERLANDS

HEKELA JAN DR  
ASTRONOMICAL INST  
CZECHOSLOVAK ACAD  
OF SCIENCES  
251 65 ONDREJOV  
CZECHOSLOVAKIA

HELPER H LAWRENCE PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY ROCHESTER  
ROCHESTER NY 14627  
U.S.A.

HELLWIG HELMUT WILHELM DR  
NAT BUREAU STANDARDS  
TIME & FREQ DIV  
325 BROADWAY RM 2031  
BOULDER CO 80303  
U.S.A.

HAZER S DR  
FACULTY OF SCIENCE  
DEPT OF ASTRONOMY  
P K 21  
BORNOVA IZMIR  
TURKEY

HE XIANG-TAO  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.

HEARNSHAW JOHN B DR  
DEPT OF PHYSICS  
UNIVERSITY OF  
CANTERBURY  
CHRISTCHURCH  
NEW ZEALAND

HECKATHORN HARRY M  
US NAVAL RESEARCH  
LABORATORY  
CODE 4143 2  
WASHINGTON DC 20375  
U.S.A.

HEDEMAN E RUTH  
14 N MAIN ST  
NO 201  
CLARKSTON MI 48016  
U.S.A.

HEFFERLIN RAY A PROF  
PHYSICS DEPT  
S MISSISSIPPI COLL  
DRAWER H  
COLLEGE DALE TN 37315  
U.S.A.

HEIDMANN JEAN DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

HEINRICH INGE DR  
ASTRONOMISCHES  
RECHEN-INSTITJT  
MOENCHHOFFSTR 12-14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

HEISE JOHN DR  
SPACE RESEARCH LAB  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS

HELALI YHYA E DR  
HELWAN OBSERVATORY  
HELWAN-CAIRO  
ARAB REP. OF EGYPT

HELIN ELEANOR FRANCIS  
JET PROPULSION LAB  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.

HELMER LEIF  
COPENHAGEN UNIV  
OBSERVATORY  
BRORFELDE  
DK-4340 TOLLSE  
DENMARK

HAZLEHURST JOHN DR  
HAMBURGER STERNWARTE  
GOJENBERGSWEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.

HEAP SARA R DR  
CODE 672 GODDARD  
SPACE FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.

HEASLEY JAMES NORTON  
INST FOR ASTRONOMY  
2630 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.

HECKMANN OTTO PROF DR  
WOHNSTIFT GOETTINGEN  
APP B 1403  
CHARLOTTENB.STR 29  
D-3400 GOETTINGEN  
GERMANY, F.R.

HEESCHEN DAVID S DR DIR  
NAT RADIO ASTR OBS  
EDGEMONT RD  
CHARLOTTESVILLE  
VA 22901  
U.S.A.

HEGGIE DOUGLAS C DR  
UNIV OF EDINBURGH  
EDINBURGH EH9 3JJ  
U.K.

HEILES CARL PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
CALIFORNIA  
BERKELEY CA 94720  
U.S.A.

HEINTZ WULFF D DR  
DEPT OF ASTRONOMY  
SWARTHMORE COLLEGE  
SWARTHMORE PA 19081  
U.S.A.

HEISER ARNOLD M DR  
DYER OBSERVATORY  
VANDERBILT UNIV  
BOX 1903-STA B  
NASHVILLE TN 37235  
U.S.A.

HELFAND DAVID JOHN  
COLUMBIA ASTROPHYS  
LABORATORY  
538 WEST 120TH ST  
NEW YORK NY 10027  
U.S.A.

HELLER MICHAEL DR  
ASTRONOMICAL OBS  
UL ORLA 171  
30-244 KRAKOW  
POLAND

HELMKEN HENRY F DR  
SMITHSONIAN  
ASTROPHYSICAL OBS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

- HELT BODIL F  
UNIVERSITY  
OBSERVATORY  
OSTER VOLDGADE 3  
DK-1350 COPENHAGEN  
DENMARK
- HEMMLEB GERHARD DR  
ZENTRALINSTITUT  
PHYSIK DER ERDE  
TELEGRAFENBERG A 17  
DDR-15 PUTSDAM  
G.D.R.
- HENOUX JEAN-CLAUDE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- HENRY RICHARD C. PROF.  
PHYSICS DEPARTMENT  
JOHNS HOPKINS UNIV.  
BALTIMORE MD 21218  
U.S.A.
- HERBST ERIC DR  
DEPT OF PHYSICS  
DUKE UNIVERSITY  
DURHAM NC 27706  
U.S.A.
- HERMAN RENEE DR  
7 BIS RUE TRUDDN  
F-92160 ANTONY  
FRANCE
- HERRMANN DIETER DR  
ARCHENHOLD OBS  
AND PUBLIC OBS  
1193 BERLIN-TREPTOW  
G.D.R.
- HERZBERG GERHARD DR  
HERZBERG INSTITUT  
OF ASTROPHYSICS  
NAT RES COUNCIL  
OTTAWA ONT K1A 0R6  
CANADA
- HEWISH ANTONY PROF  
CAVENDISH LABORATORY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.
- HEYDEN FRANCIS J SJ DR  
MANILA OBSERVATORY  
P O BOX 1231  
MANILA  
REPUBLIC OF PHILIPPINES
- HICKSON PAUL DR  
DEPT GEOPHYS ASTRON  
UNIVERSITY OF BC  
VANCOUVER BC V6T 1W5  
CANADA
- HIDE RAYMOND PROF  
GEOPHYSICAL FLUID  
DYNAMICS LABORATORY  
METEOROLOGICAL OFF  
BRACKNELL BERKSHIRE  
U.K.
- HEMENWAY CURTIS L PROF  
DUDLEY OBS PLAZA 7  
1202 TROY  
SCHENECTADY RD  
LATHAM NY 12110  
U.S.A.
- HENIZE KARL G ASTRONAUT  
CODE CB  
JOHNSON SPACE CENTER  
HOUSTON TX 77058  
U.S.A.
- HENRARD JACQUES PROF  
FAC UNIV DE NAMUR  
61 RUE DE BRUXELLES  
B-5000 NAMUR  
BELGIUM
- HENSBERGE HERMAN  
ADELAARSTRAAT 23  
B-2060 MERKSEM  
BELGIUM
- HERBST WILLIAM DR  
ASTRONOMY DEPT  
WESLEYAN UNIV  
MIDDLETOWN CT 06457  
U.S.A.
- HERNANDEZ CARLOS ALBERTO  
OBS ASTRONOMIC  
PASO DEL BUSQUE  
1900-LA PLATA  
ARGENTINA
- HERS JAN MR  
P.O. BOX 48  
SEDFIELD 6573  
SOUTH AFRICA
- HESSER JAMES E DR  
DOMINION ASTRON OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- HEWITT A V DR  
US NAVAL OBSERVATORY  
P O BOX 1149  
FLAGSTAFF AZ 86001  
U.S.A.
- HEYVAERTS JEAN DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- HIDAJAT BAMBANG PROF DR  
BOSSCHA OBSERVATORY  
LEMBANG JAVA  
INDONESIA
- HIEI EIJIRO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- HEMENWAY P D  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- HENON MICHEL C DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- HENRIKSEN RICHARD N DR  
ASTRONOMY GROUP  
DEPT OF PHYSICS  
QUEENS UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA
- HERBIG GEORGE H DR  
LICK OBSERVATORY  
UNIVERSITY OF  
CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- HERCZEG TIBOR J PROF DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY OKLAHOMA  
NORMAN OK 73069  
U.S.A.
- HERR RICHARD B DR  
PHYSICS DEPT  
UNIVERSITY DELAWARE  
NEWARK DE 19711  
U.S.A.
- HERSHEY JOHN L DR  
SPROUL OBSERVATORY  
SWARTHMORE COLLEGE  
SWARTHMORE PA 19081  
U.S.A.
- HEUDIER J L MR  
CERGA  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE
- HEY JAMES STANLEY DR  
4 SHORTLANDS CLOSE  
WILLINGDON  
EASTBOURNE  
SUSSEX BN22 0JE  
U.K.
- HTABS ALBERT R MGR PLANS  
JET PROPULSION  
LABORATORY  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- HIDALGO MIGUEL A DR  
FACULTAD DE CIENCIAS  
CIUDAD UNIVRSITARIA  
ZARAGOZA  
SPAIN
- HIGGS LLOYD A DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NAT RES COUNC CANADA  
OTTAWA ONT K1A 0R6  
CANADA

- HILDEBRAND ROGER H  
UNIV OF CHICAGO  
ENRICO FERMI INST  
5630 S ELLIS AVE  
CHICAGO IL 60637  
U.S.A.
- HILF EBERHARD R H PH D  
PAUL-WAGNERSTR 56  
D-6100 DARMSTADT  
GERMANY, F.R.
- HILL PHILIP W DR  
UNIVERSITY  
OBSERVATORY  
ST ANDREWS  
FIFE KY16 9LZ  
U.K.
- HILLS JACK G DR  
DEPT ASTRON ASTROPHY  
MICHIGAN STATE UNIV  
PHYS-ASTROPHYS BLDG  
E LANSING MI 48824  
U.S.A.
- HINKLE KENNETH H  
950 N CHERRY AVE  
P O BOX 25732  
TUCSON AZ 85726  
U.S.A.
- HIPPELEIN HANS H DR  
MPI FUER ASTRONOMIE  
D-6900 HEIDELBERG  
GERMANY, F.R.
- HIRAYAMA TADASHI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- HITOTSUYANAGI JUICHI PROF  
DEPT OF ASTRONOMY  
TOHOKU UNIVERSITY  
ARAKAKI SENDAI 980  
JAPAN
- HO PAUL T P  
601 CAMPBELL HALL  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- HOBBS LEWIS M DR  
YERKES OBSERVATORY  
UNIVERSITY OF  
CHICAGO  
WILLIAMS BAY WI53191  
U.S.A.
- HOEG ERIK DR  
COPENHAGEN OBS  
OSTERVOLDGADE 3  
DK-1350 COPENHAGEN  
DENMARK
- HOEKSTRA ROEL DR  
SPACE RESEARCH  
LABORATORY  
3527 HS UTRECHT  
THE NETHERLANDS
- HILDITCH RONALD W DR  
UNIVERSITY  
OBSERVATORY  
BUCHANAN GARDENS  
ST ANDREWS KY16 9LZ  
U.K.
- HILL GRAHAM DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- HILLEBRANDT WOLFGANG PH D  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- HILLS RICHARD E DR  
CAVENDISH LABORATORY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.
- HINTEREGGER HANS E DR  
AIR FORCE GEOPHYSICS  
LABORATORY  
HANSCOM AFB MA 01731  
U.S.A.
- HIRABAYASHI HISASHI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- HIRST WILLIAM P  
1 CLIFFORD CRESCENT  
BERGVLIEET CP 7800  
SOUTH AFRICA
- HJALMARSON AKE G DR  
ONSALA SPACE  
OBSERVATORY  
S-430 34 ONSALA  
SWEDEN
- HOAG ARTHUR A DR  
LOWELL OBSERVATORY  
BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.
- HOBBS R W DR  
NASA-GODDARD SPACE  
FLIGHT CENTER  
CODE 685  
GREENBELT MD 20771  
U.S.A.
- HOEGBOM JAN A DR  
STOCKHOLM  
OBSERVATORY  
S-133 00  
SALTSJODEN  
SWEDEN
- HOEY MICHAEL J DR  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND
- HILDNER ERNEST DR  
CODE ES 52  
MARSHALL SFC  
HUNTSVILLE AL 35812  
U.S.A.
- HILL HENRY ALLEN DR  
DEPT OF PHYSICS  
BLDG 81  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- HILLIARD R DR  
STEWART OBSERVATORY  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- HILTNER W ALBERT PROF  
DEPT OF ASTRONOMY  
UNIVERSITY MICHIGAN  
ANN ARBOR MI 48109  
U.S.A.
- HINTZEN PAUL MICHAEL N DR  
NASA-GSFC  
CODE 681  
GREENBELT MD 20771  
U.S.A.
- HIRAI MASANORI DR  
FUKUOKA UNIVERSITY  
OF EDUCATION  
729 MUNAKATA  
FUKUOKA 811-41  
JAPAN
- HIRTH WOLFGANG ERNST PH D  
THEODOR-HEUSSSTR 18  
D-5354 WEILERSWIST  
GERMANY, F.R.
- HJELLMING ROBERT M DR  
NATIONAL RADIO ASTRON  
OMY OBSERVATORY  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.
- HOANG BINH DY DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- HODGE PAUL W PROF  
ASTRONOMY FM20  
UNIVERSITY OF  
WASHINGTON  
SEATTLE WA 98195  
U.S.A.
- HOGLUND BERTIL PROF  
ONSALA SPACE  
OBSERVATORY  
S-430 34 ONSALA  
SWEDEN
- HOFF DARREL BARTON  
ASTRONOMY COORDINA  
TOR  
UNIV NORTHERN IOWA  
CEDAR FALLS IA 50614  
U.S.A.

- HOFFLEIT E DORRIT DR  
DEPT OF ASTRONOMY  
BOX 2023  
YALE STATION  
NEW HAVEN CT 06520  
U.S.A.
- HOFFMANN WILFRED DR  
ASTRONOMISCHES  
RECHEN-INSTITUT  
MOENCHSTR 12-14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- HOLDEN FRANK  
2 COLWICH CRESCENT  
STAFFORD ST16 3XP  
U.K.
- HOLLOWAY NIGEL J DR  
ASTRONOMY CENTRE  
UNIV OF SUSSEX  
FALMER  
BRIGHTON BN1 9QH  
U.K.
- HOLWEGER HARTMUT PROF DR  
INST THEOR PHY STERN  
NEUE UNIV PHYS ZENTR  
OLSHAUSENST GEBN 61C  
D-2300 KIEL 1  
GERMANY, F.R.
- HONG SEUNG SOO DR  
DEPT OF ASTRONOMY  
COLLEGE NATURAL SCS  
SEOUL NATIONAL UNIV  
SEOUL 150  
REPUBLIC OF KOREA
- HORAK TOMAS B DR  
GEOFYZIKA NP  
JECNA 29A  
61200 BRNO  
CZECHOSLOVAKIA
- HORI GENICHIRO PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TOKYO  
BUNKYO TOKYO 113  
JAPAN
- HORSKY Z DR  
ASTRONOMICAL INST  
CSAV  
BUDECKSA 6  
120 23 PRAHA  
CZECHOSLOVAKIA
- HOSHI REIUN DR  
DEPT OF PHYSICS  
RIKKYO UNIVERSITY  
NISHIIKEBUKURO 3-CH  
TOSHIMA TOKYO 171  
JAPAN
- HOSOKAWA YOSHIMASA H PROF  
SAKIGAOKA 3-4-9  
FUNABASHI-CITY  
CHIBA PREFECTURE 274  
JAPAN
- HOUCK JAMES R  
ASTRONOMY DEPT  
CORNELL UNIVERSITY  
220 SPACE SCIENCE BD  
ITHACA NY 14853  
U.S.A.
- HOFFMAN JEFFREY ALAN DR  
NASA-JSC  
CODE CB-4  
HOUSTON TX 77058  
U.S.A.
- HOGG DAVID E DR  
NAT RADIO ASTR OBS  
EDGEMONT RD  
CHARLOTTESVILLE  
VA 22901  
U.S.A.
- HOLLENBACH DAVID JOHN DR  
MAIL STOP 245-6  
NASA/AMES RES CTR  
MOFFETT FLD CA 94035  
U.S.A.
- HOLLWEG JOSEPH V  
DEPT OF PHYSICS  
UNIV OF  
NEW HAMPSHIRE  
CURHAM NH 03824  
U.S.A.
- HOLZER THOMAS EDWARD DR  
HIGH ALTITUDE OBS  
NCAR  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- HOOGHOUDT B G IR  
PRINSENLAAN 10  
2341 KT DEEGSTREEST  
THE NETHERLANDS
- HORAK ZDENEK PROF DR  
VIETNAMSKA 2  
16000 PRAHA 6  
CZECHOSLOVAKIA
- HOROWITZ GERALD PROF  
RACAH INST OF PHYS  
HEBREW UNIVERSITY  
JERUSALEM  
ISRAEL
- HORTON BRIAN H DR  
DEPT OF PHYSICS  
UNIV OF ADELAIDE  
GPO BOX 498  
ADELAIDE SA 5001  
AUSTRALIA
- HOSKIN MICHAEL A DR  
CHURCHILL COLLEGE  
CAMBRIDGE CB3 0DS  
U.K.
- HOSUYAMA KENNDSHUKE DR  
INTERNATIONAL LATITU  
DE OBSERVATORY  
HOSHIGAOKA 2-CHOME  
MIZUSAWA IWATE 023  
JAPAN
- HOUK NANCY DR  
DEPT OF ASTRONOMY  
UNIV OF MICHIGAN  
1045 PHYS-ASTRO BLDG  
ANN ARBOR MI 48109  
U.S.A.
- HOFFMANN MARTIN DR  
OBS HOHER LIST  
STERNWARTE DER  
UNIVERSITAET BONN  
D-5568 DAUN  
GERMANY, F.R.
- HOHL FRANK DR  
NASA MS-160  
LANGLEY RESEARCH  
CENTER  
HAMPTON VA 23665  
U.S.A.
- HOLLIS JAN MICHAEL DR  
NASA GSFC  
CODE 685  
GREENBELT MD 20771  
U.S.A.
- HOLMBERG ERIK B PROF  
ENLIDEN 2  
S-433 00 PARTILLE  
SWEDEN
- HONEYCUTT R KENT PROF  
ASTRONOMY DEPT  
SWAIN HALL WEST  
INDIANA UNIVERSITY  
BLOOMINGTON IN 47405  
U.S.A.
- HOPPE J A PROF DR  
SONNENBERGSTR 12  
DDR 69 JENA  
G.D.R.
- HORED T GEORG PAUL DR  
LUNAR & PLANETARY  
LABORATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.
- HORSKY JAN DR  
DEPT OF THEOR PHYS  
PURKYNE UNIVERSITY  
KOTLARSKA 2  
611 37 PRNO  
CZECHOSLOVAKIA
- HORVATH ANDRAS DR  
TIT PLANETARIUM &  
URANIA OBSERVATORY  
BOX 46  
H-1476 BUDAPEST  
HUNGARY
- HOSKING ROGER J PROF  
MATHEMATICS DEPT  
UNIVERSITY WAIKATO  
HAMILTON  
NEW ZEALAND
- HOTINLI METIN DR  
UNIVERSITE  
RASATHAYESI  
UNIVERSITE ISTANBUL  
TURKEY
- HOUSE FRANKLIN C DR  
ESA-ESOC  
ROBERT-BOSCH-STR 5  
D-6100 DARMSTADT  
GERMANY, F.R.

HOUSE LEWIS L DR  
HIGH ALTITUDE OBS  
NAT CTR ATMOSPHER RES  
P O BOX 3000  
BOULDER CO 80303  
U.S.A.

HOVENIER J W DR  
FREE UNIVERSITY  
DEPT PHYSICS/ASTRON  
DE BOELELAAN 1081  
1081 HV AMSTERDAM  
THE NETHERLANDS

HOWARD WILLIAM E III DR  
N STUART ST  
ARLINGTON VA 22207  
U.S.A.

HOYNG PETER DR  
SPACE RESEARCH LAB  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS

HU NING-SHENG  
NANJING ASTRONOMICAL  
INSTRUMENTS FACTORY  
NANJING  
JIANGSU PROVINCE  
PEOPLE'S REPUBLIC CHINA

HUANG KE-LIANG  
ASTRONOMY DEPARTMENT  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA

HUANG RUN-JIAN  
YUNNAN OBSERVATORY  
KUNMING  
YUNNAN PROVINCE  
PEOPLE'S REPUBLIC CHINA

HUBE DOUGLAS P DR  
DEPT OF PHYSICS  
UNIVERSITY ALBERTA  
EDMONTON ALTA T6G2J1  
CANADA

HUBER MARTIN C DR  
ATOM & ASTROPHYSICS  
GROUP  
ETH ZENTRUM  
CH 8092 ZUERICH  
SWITZERLAND

HUCHTMEIER WALTER K DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN 1  
GERMANY, F.R.

HUGHES DAVID W DR  
DEPT OF PHYSICS  
THE UNIVERSITY  
SHEFFIELD S3 7RH  
U.K.

HUGUENIN G RICHARD  
DEPT PHYS AND ASTRON  
UNIV OF MASS  
GRADUATE RES CTR  
AMHERST MA 01002  
U.S.A.

HOUTGAST JAKOB DR  
STERREWACHT  
ZONNENBURG 2  
3512 NK UTRECHT  
THE NETHERLANDS

HOWARD ROBERT F DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.

HOWSE H DEREK  
12 BARNFIELD ROAD  
RIVERHEAD  
SEVENOAKS  
KENT TN13 2AY  
U.K.

HSIANG-KUANG TSENG  
INST PHYS ASTRONOMY  
NAT CENTRAL UNIV  
CHUNG LI  
TAIWAN

HUA CHON TRUNG DR  
VILLA LA MAJORICA  
LES EMBUS  
F-13190 ALLAUCH  
FRANCE

HUANG KUN-YI  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA

HUANG YINLIANG  
YUNNAN OBSERVATORY  
KUNMING  
YUNNAN PROVINCE  
PEOPLE'S REPUBLIC CHINA

HUBENET HENRI DR  
STERRENWACHT  
SONNENBORGH  
ZONNENBURG 2  
UTRECHT 2500  
THE NETHERLANDS

HUBERT-DELPLACE  
ANNE-MARIE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

HUDSON HUGH S DR  
PHYSICS C-011  
UCSD  
LA JOLLA CA 92093  
U.S.A.

HUGHES JAMES A DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.

HULSBOSCH A N M DR  
STERREKUNDIG INST  
KATH UNIV  
TOERNOOIVELD  
6525 ED NIJMEGEN  
THE NETHERLANDS

HOUZIAUX L PROF  
INST D'ASTROPHYSIQUE  
5 AV DE COINTE  
B-4200 COINTE-OUGREE  
BELGIUM

HOWARD W MICHAEL DR  
LAWRENCE LIVERMORE  
LABORATORY L 71  
LIVERMORE CA 94550  
U.S.A.

HOYLE FRED SIR  
COCKLEY MOOR  
DOCKRAY  
PENRITH  
CUMBRIA CA11 4LG  
U.K.

HU JING-YAO  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

HUANG CHANG-CHUN  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA

HUANG LIN  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

HUBBARD WILLIAM B PROF  
DEPT OF PLANETARY  
SCIENCES  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.

HUBENY IVAN  
ASTRONOMICAL INST  
CZECH ACADEMY OF SC.  
ONDREJOV OBSERVATORY  
25165 ONDREJOV  
CZECHOSLOVAKIA

HUCHRA JOHN PETER DR  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

HUEBNER WALTER F DR  
T-4  
LOS ALAMOS SCIENTI-  
FIC LABORATORY  
LOS ALAMOS NM 87545  
U.S.A.

HUGHES VICTOR A PROF  
DEPT OF PHYSICS  
QUEEN'S UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA

HUMMER DAVID G DR  
JOINT INST F LABORA-  
TORY ASTROPHYSICS  
BOULDER CO 80309  
U.S.A.

- HUMPHREYS CURTIS JUDSON DR  
6065 RIVERSIDE AVE  
RIVERSIDE CA 92506  
U.S.A.
- HUNDHAUSEN A DR  
HIGH ALTITUDE OBS  
BOULDER CO 80302  
U.S.A.
- HUNT GARRY E DR  
ATMOSPHERIC PHYS GROUP  
BLACKETT LAB  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.
- HUNTER CHRISTOPHER PROF  
MATHEMATICS DEPT  
FLORIDA STATE  
UNIVERSITY  
TALLAHASSEE FL 32306  
U.S.A.
- HURNIK HIERONIM PROF  
OBSERVATORIUM  
ASTRONOMICZNE UAM  
SŁONECZNA 36  
60-206 POZNAŃ  
POLAND
- HUTCHEON RICHARD J DR  
X-RAY ASTRONOMY GR  
PHYSICS DEPT  
UNIV OF LEICESTER  
LEICESTER LE1 7RH  
U.K.
- HYLAND A R HARRY DR  
MT STROMLO  
OBSERVATORY  
WODEN PD ACT 2606  
AUSTRALIA
- HYUN JONG-JUNE PROF  
SEOUL NAT UNIVERSITY  
SINILIM-DONG  
KWANAK-KU  
SEOUL 151  
REPUBLIC OF KOREA
- IBADINOV KHURSANDKUL DR  
INST OF ASTROPHYSICS  
ACAD OF SCI OF THE  
TADJIK SSR  
734670 DUSHANBE  
U.S.S.R.
- IBBETSON PETER AARON DR  
WISE OBSERVATORY  
TEL AVIV UNIVERSITY  
TEL AVIV  
ISRAEL
- ICKE V DR  
DEPT OF ASTRONOMY  
UNIV OF MINNESOTA  
116 CHURCH ST S E  
MINNEAPOLIS MN 55455  
U.S.A.
- IKEUCHI SATORU DR  
DEPT OF PHYSICS  
HOKKAIDO UNIVERSITY  
SAPPORO 050  
JAPAN
- HUMPHREYS ROBERTA M PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
MINNESOTA  
MINNEAPOLIS MN 55455  
U.S.A.
- HUNGER KURT PROF  
INST THEOR PHY STERN  
NEUE UNIV PHYS ZENTR  
DLSHAUSENST CB N 61C  
D-2300 KIEL 1  
GERMANY, F.R.
- HUNT ROLAND DR  
DEPT OF MATHEMATICS  
UNIV OF STRATHCLYDE  
26 RICHMOND STREET  
GLASGOW G1 1XH  
U.K.
- HUNTER JAMES H PROF  
DEPT OF ASTRONOMY  
T W BRYANT SP SC BGD  
UNIV OF FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- HURUHATA MASAOKI PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA 2-CHOME  
MITAKA TOKYO 181  
JAPAN
- HUTCHINGS JOHN B DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- HYNEK J ALLEN PROF  
DEARBORN OBSERVATORY  
NORTHWESTERN  
UNIVERSITY  
EVANSTON IL 60201  
U.S.A.
- IANNA PHILIP A  
PO BOX 3918  
CHARLOTTESVILLE  
VA 22903  
U.S.A.
- IBANEZ MIGUEL DR  
UNIV DE LOS ANDES  
FACULTAD DE CIENCIAS  
DEPTO DE FISICA  
MERIDA  
VENEZUELA
- IBEN ICKO JR PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
ILLINOIS  
URBANA IL 61801  
U.S.A.
- IDLIS G M DR  
INSTITUTE F HISTORY  
OF SCI AND TECHNOLO-  
GY USSR ACAD OF SCI  
103012 MOSCOW  
U.S.S.R.
- IKHSANOV ROBERT N DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- HUMPHRIES C M DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- HUNSTEAD RICHARD W DR  
SCHOOL OF PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY N S W 2006  
AUSTRALIA
- HUNTER DONALD M PROF  
LUNAR AND PLANETARY  
LABORATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.
- HURFORD GORDON JAMES  
264-33 CALTECH  
PASADENA CA 91125  
U.S.A.
- HURUKAWA KIICHIRO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
181 TOKYO  
JAPAN
- HYDER C L DR  
HIGH ALTITUDE OBS  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- HYSDOM E J  
65 DALKEITH RD  
HARPENDEN  
HERTS AL5 5PP  
U.K.
- IANNINI GUALBERTO DR  
OBSERVATORIO ASTRONO  
MICO DE CORDOBA  
LAPRIDA 854  
5000 CORDOBA  
ARGENTINA
- IBANOGLU C DR  
EGE UNIVERSITY  
OBSERVATORY  
BORNOVA IZMIR  
TURKEY
- ICHIMARU SETSUO DR  
DEPT OF PHYSICS  
UNIVERSITY OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- IIJIMA SHIGETAKA PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA TOK 181  
JAPAN
- IKHSANOVA VERA N DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

- ILL MARTON J DR  
TOTH KALMAN U 19  
OBSERVATORY  
6501 BAJA  
HUNGARY
- ILLINGWORTH GARTH D DR  
KITT PEAK NAT OBS  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- INAGAKI SYOGO DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- INOUE HAJIME DR  
INST OF SPACE &  
ASTRONAUTICAL SC  
KOMABA  
TOKYO 153  
JAPAN
- IOANNISTIANI B K DR  
MAIN ASTRONOMICAL  
OBSERVATORY PJLKOVO  
196140 LENINGRAD  
U.S.S.R.
- IPSER JAMES R PROF  
DEPT OF PHYSICS  
WILLIAMSON HALL  
UNIV OF FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- IRVINE WILLIAM M PROF  
ASTRONOMY GRC  
TOWER B  
UNIVERSITY MASS  
AMHERST MA 01003  
U.S.A.
- ISAAK GEORGE R DR  
DEPT OF PHYSICS  
UNIV OF BIRMINGHAM  
P O BOX 363  
BIRMINGHAM B15 2TT  
U.K.
- ISHIDA KEIICHI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
2-21-1 OSAWA MITAKA  
JAPAN
- ISOBE SHUZO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
181 MITAKA TOKYO  
JAPAN
- ISRAEL WERNER PROF  
PHYSICS DEPT  
UNIVERSITY OF  
ALBERTA  
EDMONTON ALTA T6G2E1  
CANADA
- ITO KENSUKE A PROF  
RIKKYO UNIVERSITY  
NISHI-IKEBUKURO  
TOKYO 171  
JAPAN
- ILLES ALMAR ERZSEBET DR  
KONKOLY OBSERVATORY  
BOX 67  
1525 BUDAPEST  
HUNGARY
- IMBERT MAURICE DR  
OBSERVATOIRE  
DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE
- INGRAO HECTJR C  
58 HUNDREDS RD  
WELLESLEY HILLS  
MA 02181  
U.S.A.
- INOUE MAKOTO DR  
NOBEYAMA RADIO OBS  
NOBEYAMA MINAMI-MAKI  
MURA MINAMI-SAKU  
NAGANO 384-13  
JAPAN
- IONSON JAMES ALBERT  
NASA GSFC  
CODE 682  
GREENBELT MD 20771  
U.S.A.
- IRELAND JOHN G DR  
C-0 13 GORDON RD  
BELVEDERE  
KENT DA17 6EA  
U.K.
- IRWIN ALAN W DR  
DEPT OF PHYSICS  
UNIV OF VICTORIA  
P O BOX 1700  
VICTORIA V8W 2Y2  
CANADA
- ISERN JORGE DR  
C/SEPULVEDA 83-6-3A  
BARCELONA-15  
SPAIN
- ISHIZAWA TOSHISUKE A PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF KYOTO  
KYOTO 606  
JAPAN
- ISRAEL FRANK P DR  
SP/ESTEC  
POSTBUS 289  
2200 AG NOORDWIJK  
THE NETHERLANDS
- ISSA ALI DR  
HELWAN OBSERVATORY  
HELWAN-CAIRO  
ARAB REP. OF EGYPT
- ITOH HIROSHI DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF KYOTO  
KYOTO 606  
JAPAN
- ILLING R M E  
HIGH ALTITUDE OBS  
NCAR  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- IMSHENNIK V S DR  
INST THEOR EXP PHYS  
CHEREMUSHKINSKAJA 25  
117259 MOSCOW  
U.S.S.R.
- INNANEN KIMMO A PROF  
GRESS PHYSICS DEPT  
YORK UNIVERSITY  
4700 KEELE STREET  
DOWNSVIEW ONT M3J1P3  
CANADA
- INOUE TAKESHI PROF  
KYOTO SANGYO  
UNIVERSITY  
KYOTO 603  
JAPAN
- IOSHPA B A DR  
INSTITUTE OF TERRE-  
STRIAL MAGNETISM AND  
IONOSPHERE  
142092 AKADEMGORODOK  
U.S.S.R.
- IRIARTE B MR  
INST NAC DE ASTROFIS  
OPT Y ELECTRONICA  
APT POSTALES 216 51  
PUEBLA PUE  
MEXICO
- IRWIN JOHN B PROF  
2744 TYNDALL AVE  
TUCSON AZ 85719  
U.S.A.
- ISHIDA GORO DR  
KAMOGATA-2039  
ASAGUCHI  
OKAYAMA  
JAPAN
- ISHIZUKA TOSHIHISA DR  
DEPT OF PHYSICS  
IBARAKI UNIVERSITY  
MITO 310  
JAPAN
- ISRAEL GUY MARCEL DR  
LAB D'AERONOMIE  
B.P.3  
F-91370 VERRIERES-LE  
-BUISSON  
FRANCE
- ISSERSTEDT JOERG DR  
INSTITUT ASTRONOMIE  
UND ASTROPHYSIK  
AM HUBLAND  
D-7800 WUERZBURG  
GERMANY, F.R.
- ITOH NAOKI DR  
DEPT OF PHYSICS  
SOPHIA UNIVERSITY  
7 KIOICHO CHIYODA-KU  
TOKYO 102  
JAPAN

- IVANCHUK VICTOR I DR  
KIEV UNIVERSITY  
OBSERVATORNAJA 3  
252053 KIEV  
U.S.S.R.
- IVANOV-KHJLODNY G S DR  
INSTITUTE OF APPLIED  
GEOPHYSICS USSR ACADEMY OF SCIENCES  
107150 MOSCOW  
U.S.S.R.
- IWANOWSKA WILHELMINA DR  
INST OF ASTRONOMY  
CHOPINA 12 18  
87-100 TORUN  
POLAND
- IZVEKOV V A DR  
INST OF THEORETICAL  
ASTRONOMY  
10 KUTUZOV QUAY  
192187 LENINGRAD  
U.S.S.R.
- JACKISCH G DR  
ZENTRALINSTITUT FUER  
ASTROPHYSIK  
STERNWARTEN SONNEBERG  
DDR-64 SONNEBERG  
G.D.R.
- JACKSON PETER DOUGLAS DR  
ASTRONOMY PROGRAM  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- JACOBSEN THEODOR S PROF  
6205 17TH AVE NE  
SEATTLE WA 98115  
U.S.A.
- JAFFE WALTER JOSEPH DR  
NAT RADIO ASTRONOMY  
OBSERVATORY  
EDGEMONT ROAD  
CHARLOTTESVL VA22901  
U.S.A.
- JAKS WALDEMAK DR  
ASTRONOMY LATITUDE OBS  
SPACE RES CTR PAS  
BOROWIEC  
63-120 KORNIK  
POLAND
- JAMES RICHARD A DR  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
MANCHESTER M13 9PL  
U.K.
- JANICZEK PAUL M DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- JARNEFELT GUSTAF J PROF  
OHJAAJANTIE 3 B 18  
SF-00400 HELSINKI 40  
FINLAND
- IVANOV G R DR  
DEPT OF ASTRONOMY  
ANTON IVANOV ST 5  
P O 120  
1126 SOFIA  
BULGARIA
- IVES JOHN CH DR  
MULLARD SPACE SC LAB  
UNIV COLLEGE LONDON  
LONDON  
U.K.
- IWASAKI KYOSUKE DR  
KWASAN OBSERVATORY  
YAMASHINA KYOTO 607  
JAPAN
- JAAKKOLA TOIVO S  
OBSERVATORY  
TAHTITORINMAKI  
SF-00130 HELSINKI  
FINLAND
- JACKSON J C DR  
16 THE PARK  
NEWARK  
NOTTINGHAM NG24 1SD  
U.K.
- JACKSON WILLIAM M DR  
DEPT OF CHEMISTRY  
HOWARD UNIVERSITY  
WASHINGTON DC 20059  
U.S.A.
- JACQUINOT P DR  
LAB AIME COTTON  
BAT 505  
UNIVERSITE PARIS SUD  
F-91405 ORSAY CEDEX  
FRANCE
- JAHREISS HARTMUT DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHHOFSTR 12-14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- JAMAR CLAUDE A J DR  
8 RUE DE BATTY  
B-4200 COINTE-BOUGREE  
BELGIUM
- JAMESON RICHARD F DR  
ASTRONOMY DEPT  
LEICESTER UNIVERSITY  
LEICESTER LE1 7RH  
U.K.
- JANKOVICS ISTVAN DR  
KONKOLY OBSERVATORY  
BOX 67  
1525 BUDAPEST  
HUNGARY
- JARRETT ALAN H PROF  
BOYDEN OBSERVATORY  
P O BOX 334  
BLOEMFONTEIN 9300  
SOUTH AFRICA
- IVANOV VSEVOLOD V DR  
ASTRONOMICAL OBS  
LENINGRAD UNIVERSITY  
10TH LINIJA 33  
199178 LENINGRAD  
U.S.S.R.
- IWANISZEWSKA CECYLIA DR  
INST OF ASTRONOMY  
N COPERNICUS UNIV  
CHOPINA 12 18  
87-100 TORUN  
POLAND
- IYE MASANORI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
UNIV OF TOKYO  
MITAKA 181  
JAPAN
- JACCHIA LUIGI G DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- JACKSON PAUL DR  
INST FUER ASTRONOMY  
DER UNIV WIEN  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- JACOBS KENNETH C DR  
CENTER 344  
BELL LABORATORIES  
600 MOUNTAIN AVENUE  
MURRAY HILL NJ 07974  
U.S.A.
- JAEGER FRIEDRICH W PROF  
ZENTRALINSTITUT FUER  
SOLARTERR PHYSIK  
DDR-15 POTSDAM  
G.D.R.
- JAKIMIEC JERZY DR  
ASTRONOMICAL INST  
KOPERNIKA 11  
51 622 WROCLAW  
POLAND
- JAMES JOHN F MR  
SCHUSTER LABORATORY  
THE UNIVERSITY  
MANCHESTER M13 9PL  
U.K.
- JANES KENNETH A DR  
ASTRONOMY DEPT  
BOSTON UNIVERSITY  
725 COMMONWEALTH AVE  
BOSTON MA 02215  
U.S.A.
- JANSEN MICHAEL ALLEN  
JET PROPULSION LAB  
MAIL STOP 183-301  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.
- JARZEBOWSKI TADEUSZ DR  
ASTRONOMICAL  
INSTITUTE  
KOPERNIKA 11  
51-622 WROCLAW  
POLAND



JASCHEK CARLOS O R PROF  
OBSERVATOIRE  
11 R DE L UNIVERSITE  
F-67000 STRASBOURG  
FRANCE

JAUNCEY DAVID L DR  
CSIRO DIVISION OF  
RADIOPHYSICS  
PO BOX 76  
EPPING NSW 2121  
AUSTRALIA

JEFFERIES JOHN T DR  
INST FOR ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.

JEFFREYS HAROLD PROF SIR  
160 HUNTINGDON ROAD  
CAMBRIDGE CB3 0LB  
U.K.

JENKINS L F MS  
YALE UNIV OBS  
BOX 2023  
YALE STATION  
NEW HAVEN CT 06520  
U.S.A.

JENNINGS R F DR  
DEPT PHYSICS AND AST  
UNIVERSITY COLLEGE  
GOWER STREET  
LONDON WC1E 6BT  
U.K.

JENSEN EBERHART PROF  
INSTITUTE OF THEORE-  
TICAL ASTROPHYSICS  
UNIVERSITY OF OSLO  
BLINDERN OSLO 3  
NORWAY

JIN WEN-JING  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA

JOHANSSON L E B DR  
RAGAKERN 18  
S-417 25 GOETEBORG  
SWEDEN

JOHNSON HOLLIS R PROF  
ASTRONOMY DEPT  
INDIANA UNIVERSITY  
BLOOMINGTON IN 47405  
U.S.A.

JOHNSON TORRENCE V DR  
JET PROPULSION  
LABORATORY  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.

JOLY FRANCOIS DR  
UNIVERSITE DE  
BORDEAUX I  
40 RUE LAMARTINE  
F-33400 TALENCE  
FRANCE

JASCHEK MERCEDES DR  
OBSERVATOIRE  
11 R DE L UNIVERSITE  
F-67000 STRASBOURG  
FRANCE

JAVET PIERRE PROF  
AV DE BEAUMONT 36  
CH-1012 LAUSANNE  
SWITZERLAND

JEFFERS STANLEY DR  
CRESS PHYSICS DEPT  
YORK UNIVERSITY  
4700 KEELE ST  
DOWNSVIEW M3J 1P3  
CANADA

JELLEY JOHN V PHD FRAS  
NP-DIV BLDG 8 AERE  
HARWELL OXON OX110RA  
U.K.

JENKNER HELMUT DR  
SPACE TELESC SC INST  
JOHNS HOPKINS UNIV  
HOMEWOOD CAMPUS  
BALTIMORE MD 21218  
U.S.A.

JENNISON ROGER C PROF  
ELECTRONICS LAB  
UNIVERSITY OF KENT  
CANTERBURY CT2 7NT  
U.K.

JERZYKIEWICZ MIKOLAJ DR  
ASTRONOMICAL INST  
KOPERNIKA 11  
51-622 WROCLAW  
POLAND

JOCKERS KLAUS DR  
MPI FUER AERONOMIE  
POSTFACH 20  
D-3411 KATLENBURG-L  
GERMANY, F.R.

JOHNSON DONALD R DR  
716 TIFFANY COURT  
GAITHERSBURG MD20760  
U.S.A.

JOHNSON HUGH M DR  
DEPT 52-12 BLDG 255  
LOCKHEED MISSILES  
3170 PORTER DRIVE  
PALO ALTO CA 94304  
U.S.A.

JOHNSTON KENNETH  
CODE 7134  
NAVAL RESEARCH  
LABORATORY  
WASHINGTON DC 20375  
U.S.A.

JONES ALBERT F MR  
31 RANUI ROAD  
STOKE  
NELSON  
NEW ZEALAND

JASTROW ROBERT  
INST F SPACE STUDIES  
2880 BRJADWAY  
NEW YORK NY 10025  
U.S.A.

JAYARAJAN A P MR  
ASTROPHYSICAL OBS  
KODAIKANAL 3  
INDIA

JEFFERYS WILLIAM H DR  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.

JENKINS EDWARD B DR  
PRINCETON UNIVERSITY  
OBSERVATORY  
PRINCETON NJ 08540  
U.S.A.

JENNER DAVID C PROF  
DEPT OF ASTRONOMY  
UNIV. OF WASHINGTON  
SEATTLE, WA 98195  
U.S.A.

JENSCH A  
PESTALOZZISTR 9  
DDR 69 JENA  
G.D.R.

JIANG SHI-YANG  
BEIJING ASTRONOMICAL  
OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

JOHANSEN KAREN T LEKTOR  
IGELSD  
DK-4300 HOLBAEK  
DENMARK

JOHNSON FRED M PROF DR  
DEPT PHYS AND ASTRON  
CALIF STATE UNIV  
2308 E AMERIGE AVE  
FULLERTON CA 92634  
U.S.A.

JOHNSON MARTIN DR  
PHYSICS DEPT  
UNIVERSITY OF  
BIRMINGHAM B15 2TT  
U.K.

JOKIPII J R PROF  
DEPT OF PLANETARY SC  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.

JONES BARBARA  
CASS C-011  
UNIV OF CALIFORNIA  
AT SAN DIEGO  
LA JOLLA CA 92093  
U.S.A.

JONES BERNARD J T DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE  
U.K.

JONES ERIC M  
LOS ALAMOS SCIENTI-  
FIC LABORATORY  
LOS ALAMOS NM 87545  
U.S.A.

JONES JAMES DR  
DEPT OF PHYSICS  
UNIV WESTERN ONTARIO  
LONDON ONT N6A 5B9  
CANADA

JORDAN CAROLE DR  
DEPT THEORETICAL PHY  
1 KEBLE ROAD  
OXFORD UNIVERSITY  
OXFORD OX1 3NP  
U.K.

JORDEN PAUL RICHARD  
ROYAL GREENWICH OBS  
HERSTMUNCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.

JOSEPH ROBERT D DR  
BLACKETT LAB  
ASTRONOMY GROUP  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.

JOSS PAUL CHRISTOPHER DR  
MIT  
ROOM 6-203  
CAMBRIDGE MA 02139  
U.S.A.

JUNG JEAN DR  
AMBASS FRANCE WASH  
FRENCH SC MISSION  
2011 EYE STREET NW  
WASHINGTON DC 20006  
U.S.A.

JURA MICHAEL DR  
DEPT OF ASTRONOMY  
UCLA  
LOS ANGELES CA 90024  
U.S.A.

KABURAKI MASAKI PROF  
4-24-9 KICHIJYOJI  
MINAMI  
MUSASHINDU TOKYO 180  
JAPAN

KAEHLER HELMUTH DR  
HAMBURGER STERNWART  
GOJENBERGSWEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.

KAFTAN MAY A DR  
ASTRONOMICAL OBS  
FOUND OF SCIENTIFIC  
RESEARCH P O BOX 255  
JADIRIYAH BAGHDAD  
REP. OF IRAQ

JONES BURTON DR  
LICK OBSERVATORY  
UNIVERSITY  
OF CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.

JONES FRANK CULVER DR  
NASA-GSFC  
CODE 660  
GREENBELT MD 20771  
U.S.A.

JONES JANET E DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE  
U.K.

JORDAN H L DR DIREKTOR  
INST PLASMAPHYSIK  
KERNFORSCHUNGSANLAGE  
JUELICH GMBH PF 365  
D-5170 JUELICH 1  
GERMANY, F.R.

JORGENSEN HENNING E LEKT  
UNIVERSITY  
OBSERVATORY  
OSTERVOLDGADE 3  
DK-1350 COPENHAGEN K  
DENMARK

JOSHI MOHAN N DR  
RADIO ASTRONOMY  
CENTRE OF TIFR  
POST BOX 8  
DUTACAMUND 543001  
INDIA

JOVANOVIC BOZIDAR  
FAC OF AGRICULTURE  
INST WATERRANGING  
VELJKA VLAHOVICA  
YU-21000 NOVI SAD  
YUGOSLAVIA

JUNKES JOSEF DR  
12 HOHENBRUNNER STR  
D-8014 NEUBIRGERG  
GERMANY, F.R.

JURGENS RAYMOND F  
M S 238/420  
JET PROPULSION LAB  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.

KABURAKI OSAMU DR  
ASTRONOMICAL INST  
TOHOKU UNIVERSITY  
SENDAI 980  
JAPAN

KAFATOS MINEAS DR  
PHYSICS DEPT  
GEORGE MASON UNIV  
FAIRFAX VA 22030  
U.S.A.

KAHLER STEPHEN W DR  
AMERICAN SCIENCE AND  
ENGINEERING INC  
955 MASSACHUSETTS AV  
CAMBRIDGE MA 02139  
U.S.A.

JONES DEREK H P DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

JONES HARRISON PRICE DR  
KITTE PEAK NAT OBS  
SOLAR STATION  
900 N CHERRY AVE  
TUCSON AZ 85726  
U.S.A.

JONES THOMAS WALTER DR  
DEPT OF ASTRONOMY  
UNIV OF MINNESOTA  
116 CHURCH ST SE  
MINNEAPOLIS MN 55455  
U.S.A.

JORDAN STUART D DR  
LAB ASTRO SOLAR PHYS  
NASA-GODDARD SPACE  
FLIGHT CTR CODE 682  
GREENBELT MD 20771  
U.S.A.

JOSEPH J H DR  
DEPT OF GEOPHYSICS  
AND PLANETARY SC  
TEL-AVIV UNIVERSITY  
RAMAT AVIV  
ISRAEL

JOSHI SURESH CHANDRA DR  
UP STATE OBSERVATORY  
MANDRA PEAK  
NAINI TAL 263129  
INDIA

JUGAKU JUN DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN

JUPP ALAN A DR  
APPL MATH THEOR PHYS  
UNIVERSITY LIVERPOOL  
P O BOX 147  
LIVERPOOL L69 3BX  
U.K.

JURKEVICH IGOR DR  
3130 PORT WAY  
ANNAPOLIS MD 21403  
U.S.A.

KADLA ZDENKA I DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

KAFKA PETER  
MPI FUEZ PHYSIK UND  
ASTROPHYSIK  
8000 MUENCHEN 40  
GERMANY, F.R.

KAHN FRANZ D PROF  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
MANCHESTER M13 9PL  
U.K.

- KAI KEIZU DR  
NOBEYAMA SOLAR RADIO  
OBSERVATORY  
NOBEYAMA MINAMIMAKI  
NAGANO 384-13  
JAPAN
- KAKIFU NORIO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- KAKUTA CHUICHI DR  
INTERNATIONAL LATITU  
DE OBSERVATORY  
HOSHIGAOKA 2-HOME  
MIZUSAWA IWATE 023  
JAPAN
- KALANDADZE N R DR  
ABASTUMANY ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANY  
U.S.S.R.
- KALINKOV MARIN P DR  
DEPT OF ASTRONOMY  
BULGARIAN AC OF SC  
7 NOVEMBER ST 1  
1000 SOFIA  
BULGARIA
- KALMAN BELA DR  
HELIOPHYSICAL OBS  
P O BOX 30  
4010 DEBRECEN  
HUNGARY
- KALMYKOV A M DR  
ASTRONOMICAL INSTITU  
TE UZBEKIAN ACADEMY  
OF SCIENCES  
70000 TASHKENT  
U.S.S.R.
- KALOGGLIAN ARSEN T DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 BYURAKAN  
ARMENIA  
U.S.S.R.
- KALMAN BELA DR  
HELIOPHYSICAL OBS  
P O BOX 30  
4010 DEBRECEN  
HUNGARY
- KALNAJS AGRIS J DR  
MT STRUMLO  
OBSERVATORY  
WODEN PD ACT 2606  
AUSTRALIA
- KAMEL OSMAN M DR  
FACULTY OF SCIENCES  
ASTRONOMY DEPT  
CAIRO UNIVERSITY  
GIZA  
ARAB REP. OF EGYPT
- KAMER KARL W DR  
DAVID DJNLAP  
OBSERVATORY  
RICHMOND HILL  
ONT L4C 4Y6  
CANADA
- KAMINISHI KEISUKE PROF  
FACULTY OF SCIENCE  
KUMAMOTO UNIVERKITY  
KUROKAMI 5 CHOME  
860 KUMAMOTO  
JAPAN
- KAMP LUCAS WILLEM DR  
DEPT OF ASTRONOMY  
BOSTON UNIV  
725 COMMONWEALTH AVE  
BOSTON MA 02215  
U.S.A.
- KANAEV IVAN I DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- KANDEL ROBERT S DR  
SERV AERONOMIE CNRS  
B P NO 3  
F-91370 VERRIERES-LE  
BUISSON  
FRANCE
- KANDEMIR GUELGIN  
ITUMFF  
MAT-FIZIK  
MACKA  
ISTANBUL  
TURKEY
- KANDPAL C D  
UTTER PRADESH  
STATE OBSERVATORY  
NAINITAL UP  
INDIA
- KANE SHARAD R DR  
SPACE SCIENCES LAB  
UNIVERSITY OF CALI-  
FORNIA-BERKELEY  
BERKELEY CA 94720  
U.S.A.
- KANNO MITSUO DR  
HIDA OBSERVATORY  
KAMITAKARA  
GIFU-KEN 506 13  
JAPAN
- KANYO SANDOR DR  
KONKOLY OBSERVATORY  
BOX 67  
1525 BUDAPEST  
HUNGARY
- KANEKO NOBORU DR  
DEPT OF PHYSICS  
FACULTY OF SCIENCE  
HOKKAIDO UNIVERSITY  
060 SAPPORO  
JAPAN
- KAPLAN J DR  
DEPT OF PHYSICS  
UCLA  
LOS ANGELES CA 90024  
U.S.A.
- KAPLAN LEWIS D DR  
ATMOSPHERIC & ENVI-  
RONMENTAL RES INC  
840 MEMORIAL DRIVE  
CAMBRIDGE MA 02139  
U.S.A.
- KAPAHU V K DR  
TIFR CENTRE  
INDIAN INSTITUTE OF  
SCIENCE  
BANGALORE 560 012  
INDIA
- KAPOR RAMESH CHANDER  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- KARACHENTSEV I D DR  
SPECIAL ASTROPHYSI-  
CAL OBSERVATORY  
USSR ACADEMY OF SCI  
357140 N ARKHYZ  
U.S.S.R.
- KARANDICAR R V PROF  
DEPT OF ASTRONOMY  
OSMANIA UNIVERSITY  
HYDERABAD 500 007  
INDIA
- KARDASHEV N S DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.
- KARETNIKOV VALENTIN G R  
ODESSA STATE UNIV  
270014 ODESSA  
U.S.S.R.
- KARP ALAN HERSH DR  
IBM PALO ALTO SC CTR  
1530 PAGE MILL RD  
PALO ALTO CA 94304  
U.S.A.

KARPINSKIJ VADIM N DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

KASPER U DR  
ZENTRINST ASTRONPHYSIK  
STERNW BABELSBERG  
R LUXEMBURG STR 17A  
DDR-1502 POTSDAM  
G.D.R.

KATASEV L A DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.

KATO SHOJI PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF KYOTO  
KITASHIRAKAWA OIWAKE  
SAKYOKU KYOTO 606  
JAPAN

KATZ JONATHAN I  
DEPT OF PHYSICS  
WASHINGTON UNIV  
ST LOUIS MI 63105  
U.S.A.

KAUFMANN JENS PETER DR  
INST F ASTROPHYSIK  
T U  
ERNST REUTER PLATZ 7  
D-1000 BERLIN 10  
GERMANY, F.R.

KAWABATA KINAKI PROF  
DEPT OF PHYSICS  
NAGOYA UNIVERSITY  
FUROCHO CHIKUSAKU  
NAGOYA 464  
JAPAN

KAWATA YOSHIYUKI DR  
KANAZAWA INSTITUTE  
OF TECHNOLOGY  
NONOICHO  
KANAZAWA MINAMI 921  
JAPAN

KEAY COLIN S L PROF  
PHYSICS DEPT  
NEWCASTLE UNIVERSITY  
NEWCASTLE NSW 2309  
AUSTRALIA

KEIL STEPHEN L  
SACRAMENTO PEAK OBS  
SUNSPOT NM 88349  
U.S.A.

KELLER H UWE DR  
MPI FUER AERONOMIE  
D-3411 KATLENBURG  
LINDAU 3  
GERMANY, F.R.

KELLOGG EDWIN M DR  
17 GRAY ST  
CAMBRIDGE MA 02138  
U.S.A.

KARYGINA ZOYA V DR  
ASTROPHYSICAL INST  
480068 ALMA-ATA  
U.S.S.R.

KASTLER ALFRED PROF  
ECOLE NORMALE  
SUPERIEURE  
45 RUE D ULM  
F-75005 PARIS  
FRANCE

KATGERT PETER DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS

KATO TAKAKO DR  
INST OF PLASMA PHYS  
NAGOYA UNIVERSITY  
RURU-CHO CHIKUSA-KU  
NAGOYA 464  
JAPAN

KATZ JOSEPH DR  
RACAH INST OF PHYS  
HEBREW UNIV  
JERUSALEM  
ISRAEL

KAUFMANN PIERRE PROF  
INST PESO ESPACIAIS  
CRAAM RADIO OBS  
C P 515  
12200 S JOSE CAMPOS  
BRAZIL

KAWABATA SHUSAKU PROF  
KYOTO GAKUEN  
UNIVERSITY  
SOGABE MACHI KAMEOKA  
KYOTO 621  
JAPAN

KAZANTIS PANAYOTIS DR  
DEPT OF ASTRONOMY  
UNIV OF GLASGOW  
GLASGOW G12 84Q  
U.K.

KEENAN PHILIP C PROF EMER  
PERKINS OBSERVATORY  
BOX 449  
DELAWARE OH 43015  
U.S.A.

KELLER CHARLES F  
UNIVERSITY OF  
CALIFORNIA LASL  
BOX 1663 MS 420  
LOS ALAMOS NM 87545  
U.S.A.

KELLER HANS U DR  
OBSERVATORY AND  
PLANETARIUM  
POB 161 NECKARST 47  
D-7000 STUTTGART  
GERMANY, F.R.

KELLOGG WILLIAM W DR  
NATIONAL CTR FOR  
ATMOSPHERIC RESEARCH  
BOULDER CO 80302  
U.S.A.

KASHSCHFEV B L PROF DR  
KHARKOV INSTITUTE  
FOR RADIOELECTRONICS  
310059 KHARKOV  
U.S.S.R.

KASTURIRANGAN K DR  
ISRO  
STAEILLITE CENTRE  
BANGALORE 560 058  
INDIA

KATGERT-MERKELIJN J K DR  
STERREWACHT  
HUYGENS LAB  
WASSENAARSEWEG 78  
2300 RA LEIDEN  
THE NETHERLANDS

KATSIS DEM DR  
12 RUE VARNIS  
NEA SMYRNE  
ATHENS  
GREECE

KAUFMAN MICHELE DR  
PHYSICS DEPT  
OHIO ST UNIVERSITY  
174 W 18TH AVE  
COLUMBUS OH 43210  
U.S.A.

KAULA WILLIAM M PROF  
INST OF GEOPHYSICS  
UNIVERSITY  
OF CALIFORNIA  
LOS ANGELES CA 90024  
U.S.A.

KAWAGUCHI ICHIRO PROF  
DEPT OF ASTRONOMY  
FACULTY OF SCIENCE  
UNIVERSITY OF KYOTO  
606 KYOTO  
JAPAN

KAZES ILYA DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

KEGEL WILHELM H PROF  
INST THEOR PHYSIK  
UNIV FRANKFURT  
R-MAYER-STR 8-10  
D-6000 FRANKFURT/M 1  
GERMANY, F.R.

KELLER GEOFFREY  
410 HIGHGATE AVE  
WORTHINGTON OH 43085  
U.S.A.

KELLERMANN KENNETH I DR  
NATIONAL RADIO ASTRO  
NOMY OBSERVATORY  
P O BOX 2  
GREEN BANK WV 24944  
U.S.A.

KEMHAVI AJIT K  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.

- KENDERDINE SIDNEY DR  
MULLARD RADIO ASTRON-  
OMY LABORATORY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.
- KERES KH P PROF DR  
IAPHA ESTONIAN ACADE-  
MY OF SCIENCES  
TORAVERE  
202444 TARTU  
U.S.S.R.
- KESSLER KARL G DR  
CTR ABS PHYS QUANTIT  
NAT BUREAU STANDARDS  
8-164 PHYSICS BLDG  
WASHINGTON DC 20234  
U.S.A.
- KHARADZE E K PROF  
ABASTUMANY ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANY  
GEORGIA  
U.S.S.R.
- KHARITONOV ANDREJ V DR  
ASTROPHYSICAL INST  
480008 ALMA-ATA  
U.S.S.R.
- KHOKHLOVA V L DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- KHROMOV G S DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- KIBBLEWHITE EDWARD J DR  
INSTITUTE OF  
ASTRONOMY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.
- KILADZE R I DR  
ABASTUMANY ASTROPHY-  
CAL OBSERVATORY  
383762 ABASTUMANY  
U.S.S.R.
- KIM YONG HEK DR  
ACADEMY OF SCIENCES  
PYONGYANG ASTRONOMI-  
CAL OBSERVATORY  
PYONGYANG  
DEM PEOPLE'S REP OF KOREA
- KING DAVID S PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY N MEXICO  
ALBUQUERQUE NM 87131  
U.S.A.
- KING R B DR  
P O BOX 725  
MEDICINO CA 95460  
U.S.A.
- KENNEDY JOHN E PROF  
UNIV OF SASKATCHEWAN  
SASKATOON  
SASKATCHEWAN S7N 0W0  
CANADA
- KERR FRANK J DR  
PROVOST  
MATH PHYS SCS EN DIV  
UN OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- KESTEVEN MICHAEL J L DR  
QUEEN S UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA
- KHARE BISHUN N DR  
306 SPACE SC BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- KHATSIASHVILI ALFEZ SH DR  
ABASTUMANY ASTRO-  
PHYSICAL OBSERVATORY  
383762 ABASTUMANY  
U.S.S.R.
- KHOLPOV P N DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- KIANG TAO PROF  
DUNSINK OBSERVATORY  
CASTLEKNOCK  
CO DUBLIN  
IRELAND
- KIGUCHI MASAYOSHI DR  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
KYOTO 606  
JAPAN
- KILAR BOGDAN DR  
FACULTY OF GEODESY  
LJUBLJANA UNIVERSITY  
JAMOVA 2  
61000 LJUBLJANA  
YUGOSLAVIA
- KIMURA HIROSHI DR  
PURPLE MOUNTAIN OBS  
ACADEMIA SINICA  
NANKING  
PEOPLE'S REPUBLIC CHINA
- KING HENRY C DR  
TRILLIUM S HILLBURY  
CLOSE CHESHAM BOIS  
AMERSHAM  
BUCKS HP6 5LB  
U.K.
- KING ROBERT WILSON JR DR  
DEPT EARTH PLANET SC  
MIT 54-627  
CAMBRIDGE MA 02139  
U.S.A.
- KENNICUTT ROBERT C JR  
DEPT OF ASTRONOMY  
UNIV OF MINNESOTA  
116 CHURCH ST S E  
MINNEAPOLIS MN 55455  
U.S.A.
- KERR ROY P PROF  
UNIV OF CANTERBURY  
PRIVATE BAG  
CHRISTCHURCH  
NEW ZEALAND
- KHACHIKIAN E Y DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- KHARIN A S DR  
MAIN ASTRON OBS  
UKRAINIAN ACAD OF SC  
GOLOSSEVO  
252127 KIEV  
U.S.S.R.
- KHETSURIANI T S DR  
ABASTUMANY ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANY  
U.S.S.R.
- KHOLSHEVNIKOV K V DR  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- KIASATPOOR AHMAD PROF  
PHYSICS DEPT  
UNIVERSITY OF  
ISFAHAN  
DANESHGAH E ISFAHAN  
IRAN
- KIKUCHI SADAEMON PROF  
ASTRONOMICAL OBS  
TOHOKU UNIVERSITY  
ARAMAKI  
SENDAI 980  
JAPAN
- KILKENNY DAVID DR  
SOUTH AFRICAN ASTRO-  
NOMICAL OBSERVATORY  
P O BOX 9  
OBSERVATORY 7935  
SOUTH AFRICA
- KING ANDREW R DR  
ASTRONOMY DEPT  
UNIV OF LEICESTER  
LEICESTER  
U.K.
- KING IVAN R PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- KING-HELE DESMOND G MR  
ROYAL AIRCRAFT EST  
FARNBOROUGH HANTS  
U.K.

- KINGSTON ARTHUR E DR  
DEPT OF APPLIED MATH  
AND THEORET PHYSICS  
QUEEN'S UNIVERSITY  
BELFAST BT7 1NN  
U.K.
- KIPPENHAHN RUDOLF PROF  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
K SCHWARZSCHILD ST 1  
D-8046 GARCHING B M  
GERMANY, F.R.
- KIRAL ADNAN PROF  
UNIV OBSERVATORY  
BEYAZIT  
ISTANBUL  
TURKEY
- KIRKPATRICK RONALD C DR  
MS 220  
LOS ALAMOS SCIENTI-  
FIC LABORATORY  
LOS ALAMOS NM 87545  
U.S.A.
- KISLYAKOV ALBERT G DR  
APPLIED PHYSICS INST  
ACADEMY OF SCIENCE  
ULYANOV STREET 46  
603600 DZHKY  
U.S.S.R.
- KITAMURA M PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
MITAKA TOKYO 181  
JAPAN
- KIZILIRMAK ABDULLAH PROF  
EGE UNIVERSITY  
SCIENCE FACULTY  
ASTRONOMY DEPT.  
BORNNOVA IZMIR  
TURKEY
- KLARE GERHARD DR  
LANDESSTERNWART  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- KLEIN MICHAEL J DR  
SPACE SCIENCES DIV  
JET PROPULSION LAB  
BLDG 183B-365  
PASADENA CA 91103  
U.S.A.
- KLEMOLA ARNOLD R DR  
LICK OBSERVATORY  
UCSC  
SANTA CRUZ CA 95064  
U.S.A.
- KLIMISHIN I A DR  
PEDAGOGIC INSTITUTE  
284000 IVANO-  
FRANKOV SK  
U.S.S.R.
- KLOCK B L DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- KINMAN THOMAS D DR  
KITT PEAK NATIONAL  
OBSERVATORY  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- KIPPER AKSEL PROF  
IAPHA  
ESTONIAN ACAD OF SC  
TORAVERE  
20244 TARTU  
U.S.S.R.
- KIRBIYIK HALIL DR  
MIDDLE EAST TECHNICAL  
UNIVERSITY  
PHYSICS DEPT  
ANKARA  
TURKEY
- KIRSHNER ROBERT PAUL DR  
DEPT OF ASTRONOMY  
UNIV OF MICHIGAN  
ANN ARBOR MI 48103  
U.S.A.
- KISLYUK V S DR  
MAIN ASTRON OBS  
UKRAINIAN ACAD OF SC  
GOLOSEEVO  
252127 KIEV  
U.S.S.R.
- KITAMURA SEIICHI DR  
SHIGA UNIVERSITY  
OTSU SHIGA 520  
JAPAN
- KJAERGAARD PER DR  
COPENHAGEN UNIVERSI-  
TY OBSERVATORY  
OSTER VOLDGADE 3  
DK-1350 COPENHAGEN  
DENMARK
- KLARMANN JOSEPH PROF  
DEPT OF PHYSICS  
WASHINGTON  
UNIVERSITY  
ST LOUIS MO 63130  
U.S.A.
- KLEIN RICHARD I DR  
KITT PEAK NAT OBS  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- KLEMPERER W K DR  
DIV ASTRONOMICAL SC  
NAT SCIENCE FOUND  
1800 G STREET N W  
WASHINGTON DC 20550  
U.S.A.
- KLINGLESMTIH DANIEL A DR  
GSFC  
CODE 671  
GREENBELT MD 20771  
U.S.A.
- KLVANA MIROSLAV  
ASTRONOMICAL INST  
CZECH ACADEMY OF SC  
ONDREJOV OBSERVATORY  
25165 ONDREJOV  
CZECHOSLOVAKIA
- KINDOSHITA HIROSHI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
181 TOKYO  
JAPAN
- KIPPER TJNVA DR  
IAPHA  
ESTONIAN ACAD OF SC  
TORAVERE  
20244 TARTU  
U.S.S.R.
- KIRK JOHN DR  
MPI FUER ASTROPHYSIK  
KARL-SCHWARZSCHILD-  
STR 1  
D-8046 GARCHING B M  
GERMANY, F.R.
- KISELEV ALEXEJ A DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- KISSELL KENNETH E DR  
2202 MALBON AVE  
SIMI VALLEY CA 93063  
U.S.A.
- KITCHIN CHRISTOPHER R DR  
HATFIELD POLYTECHNIC  
OBSERVATORY  
BAYFORDBURY  
HERTFORD HERTS  
U.K.
- KJELDSETH MOE OLAF DR  
INSTITUTE OF THEORE-  
TICAL ASTROPHYSICS  
UNIVERSITY OF OSLO  
BLINDERN OSLO 3  
NORWAY
- KLECZEK JOSIP DR  
ASTRONOMICAL  
INSTITUTE  
25165 ONDREJOV  
CZECHOSLOVAKIA
- KLEINMANN DOUGLAS E DR  
CENTER FOR ASTROPHYS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- KLEPCZYNSKI WILLIAM J DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- KLIORIS ARVYDAS JOSEPH DR  
JPL  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- KNACK ROGER F DR  
DEPT EARTH SPACE SCS  
SUNY  
STONY BROOK NY 11794  
U.S.A.

- KNAFLICH H R MS  
BOEING COMPANY  
AEROSPACE GROUP  
M S 88-21 POB 3999  
SEATTLE WA 98124  
U.S.A.
- KNIFFEN DONALD A DR  
NASA-GSFC  
CODE 662  
GREENBELT MD 20771  
U.S.A.
- KNUDE JENS KIRKESKOV DR  
COPENHAGEN UNIV  
OBSERVATORY  
OSTER VOLDGADE 3  
DK-1350 COPENHAGEN-K  
DENMARK
- KOBRIN M M PROF DR  
INSTITUTE OF APPLIED  
PHYSICS  
603600 GORKIJ  
U.S.S.R.
- KOCH ROBERT H DR  
DEPT OF ASTRONOMY  
UNIV OF PENNA DRL  
33RD AND WALNUT STS  
PHILADELPHIA PA 19104  
U.S.A.
- KODAIRA KEITICHI A PROF  
DEPT OF ASTRONOMY  
FACULTY OF SCIENCE  
UNIVERSITY OF TOKYO  
113 TOKYO BUNKYO-KU  
JAPAN
- KOEHLER JAMES A PROF  
PHYSICS DEPT  
UNIV OF SASKATOON  
SASKATOON S7N 0W0  
CANADA
- KOESTER DETLEV DR  
INST THEOR PHY STERN  
NEUE UNIV PHYS ZENTR  
OLSHAUSENST GEBN 61C  
D-2300 KIEL 1  
GERMANY, F.R.
- KOHOUTEK LUDOS DR  
HAMBURGER STERNWART  
GOJENSBERGSWEG  
D-2050 HAMBURG 80  
GERMANY, F.R.
- KOLACZEK BARBARA DR  
PLAN. GEODESY DEPT  
UL BARTYCKA 18  
00-716 WARSAW  
POLAND
- KOLESIK L N DR  
MAIN ASTRONOMICAL  
OBS UKRAINIAN ACAD  
OF SCIENCES  
252127 KIEV  
U.S.S.R.
- KOLLBERG ERIK L DR  
RES LAB ELECTRONICS  
CHALMERS UNIVERSITY  
OF TECHNOLOGY FACK  
S-402 20 GOETEBORG  
SWEDEN
- KNAPP GILLIAN R DR  
DEPT ASTROPHYS SCS  
PRINCETON UNIVERSITY  
PRINCETON NJ 08544  
U.S.A.
- KNOSKA STEFAN  
ASTRONOMICAL INST  
SLOVAK ACADEMY OF SC  
05960 TATRANSKA  
LOMNICA  
CZECHOSLOVAKIA
- KO HSIEN C PROF  
DEPT OF ELECTRICAL  
ENGINEERING  
OHIO ST UNIVERSITY  
COLUMBUS OH 43210  
U.S.A.
- KOCER D DR  
UNIV OBSERVATORY  
UNIVERSITY  
ISTANBUL  
TURKEY
- KOCHAR R K DR  
INDIA INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- KOECKELENBERGH ANDRE DR  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
AVE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM
- KOEHLER PETER  
CARL-ZEISS STR 1  
DDR-6900 JENA  
G.D.R.
- KOGURE TOMOKAZU DR  
DEPT OF ASTRONOMY  
FACULTY OF SCIENCE  
UNIVERSITY OF KYOTO  
KYOTO 606  
JAPAN
- KOJIAN GABRIEL DR  
DEPT OF PHYSICS  
UNIV OF WISCONSIN  
EAU CLAIRE WI 54701  
U.S.A.
- KOLCHINSKIY I G DR  
MAIN ASTRONOMICAL  
OBS UKRAINIAN ACAD  
OF SCIENCES  
252127 KIEV  
U.S.S.R.
- KOLESOV A K DR  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- KOMAROV N S DR  
ODESSA STATE UNIVER-  
SITY ASTRONOMICAL  
OBSERVATORY  
270014 ODESSA  
U.S.S.R.
- KNEER F DR  
KIEPENHEUER INST  
FUER SONNENPHYSIK  
SCHOENECKSTR 6  
D-7800 FREIBURG-BR  
GERMANY, F.R.
- KNOWLES STEPHEN H DR  
CODE 7134  
NAVAL RESEARCH  
LABORATORY  
WASHINGTON DC 20375  
U.S.A.
- KOJAYASHI EISUKE DR  
DEPT OF EARTH SCS  
SC ED INST OSAKA PR  
4-15 KARITA-CHO SUMI  
YOSHI-KU OSAKA 558  
JAPAN
- KOCH LYDIE DR  
DPH EP ES BAT 28  
CEN SACLAY  
B P 2  
F-91190 GIF S YVETTE  
FRANCE
- KOCHAROV GRANT E PROF  
PHYSICAL  
TECHN INSTITUTE  
ACAD SCIENCES USSR  
194021 LENINGRAD  
U.S.S.R.
- KOEHLER H PROF DR  
SAUERBRJCHSTRASSE 6  
D-7920 HEIDENHEIM  
A-D BRENZ  
GERMANY, F.R.
- KOEPPEL JOACHIM DR  
INST THEOR ASTROPH  
UNIV HEIDELBERG  
IM NEUENHEIMER F 294  
D-6900 HEIDELBERG  
GERMANY, F.R.
- KOHL JOHN L DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02139  
U.S.A.
- KOKURIN YURIJ L DR  
LEBEDEV PHYS INST  
USSR ACAD OF SCS  
LENINSKY PROSPECT 53  
117924 MOSCOW  
U.S.S.R.
- KOLESIK IGOR G DR  
MAIN ASTRON OBS  
UKRAINIAN AC OF SC  
GOLOSEVO  
252127 KIEV  
U.S.S.R.
- KOLEV DIMITAR ZDRAVKOV  
BLOCK D Z-20  
SMOLJAN  
BULGARIA
- KOMESAROFF MAX M D SC  
CSIRO DIVISION OF  
RADIOPHYSICS  
BOX 76  
EPPING NSW 2121  
AUSTRALIA

KONDO MASAOKI DR  
FAC GENERAL EDUC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO  
TOKYO 153  
JAPAN

KONIN V V DR  
NIKOLAEV BRANCH OF  
THE MAIN ASTRONOMI-  
CAL OBSERVATORY  
327000 NIKOLAEV  
U.S.S.R.

KONTIZAS EVANGELOS PH D  
NAT OBS OF ATHENS  
ASTRONOMICAL INST  
THISSION  
ATHENS 305  
GREECE

KOPAL ZDENEK PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
MANCHESTER  
MANCHESTER M13 9PL  
U.K.

KOPYLOV I M DR  
SPECIAL ASTROPHYSI-  
CAL OBSERVATORY  
USSR ACADEMY OF SCI  
357140 N ARKHYZ  
U.S.S.R.

KOROLKOV DMITRY V PROF DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

KOSTINA LIDIJA D DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

KOTELNIKOV V A ACAD  
INSTITUTE OF RADIO  
AND ELECTRONICS  
USSR ACADEMY OF SCI  
103907 MOSCOW  
U.S.S.R.

KOTSAKIS DEMETRIUS PROF  
HIPPOCRATES STR 189  
ATHENS-708  
GREECE

KOUTCHMY SERGE DR  
INSTITUT D ASTROPHY-  
SIQUE CNRS  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE

KOVACS GEZA DR  
KONKULY OBSERVATORY  
HUNG ACADEMY OF SC  
BOX 67  
H-1525 BUDAPEST  
HUNGARY

KOVAR N S DR  
PHYSICS DEPT  
UNIV OF HOUSTON  
HOUSTON TX 77004  
U.S.A.

KONDO MASAYUKI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
UNIVERSITY OF TOKYO  
MITAKA TOKYO 181  
JAPAN

KONONOVICH EDWARD V DR  
STERNBERG ASTRONOMI-  
CAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.

KONTIZAS MARY PH D  
DEPT OF ASTRONOMY  
UNIV OF ATHENS  
PANEPISTIMIOPLIS  
ATHENS 621  
GREECE

KOPECKY MILOSLAV DR  
ASTRONOMICAL INST  
CZECHOSLOVAK ACADEMY  
OF SCIENCES  
251 65 ONDREJOV OBS  
CZECHOSLOVAKIA

KORCHAK A A DR  
INSTITUTE OF TERRE-  
STRIAL MAGNETISM AND  
IONOSPHERE  
142092 ACADEMGORODCK  
U.S.S.R.

KOROZYAKOVSKIY YURIY P DR  
SPECIAL ASTROPHYS OB  
NIZHNEIJ ARKHYZ  
357140 STAVROPOLSKIY  
KRAJ  
U.S.S.R.

KOSTYAKOVA ELENA B DR  
STERNBERG STATE  
ASTRONOMICAL INST  
117234 MOSCOW  
U.S.S.R.

KOTHARI D.S. DR.  
DEPT. OF PHYSICS  
UNIVERSITY OF DELHI  
NEW DELHI  
INDIA

KOUBSKY PAVEL  
ASTRONOMICAL INST  
CZECH ACADEMY OF SC  
ONDREJOV OBSERVATORY  
25165 ONDREJOV  
CZECHOSLOVAKIA

KOVACHEV B J DR  
ACADEMIE BULGARE  
SECTION ASTRONOMIE  
RUE 7 NOVEMBER NO 1  
SOFIA  
BULGARIA

KOVAL I K DR  
MAIN ASTRONOMICAL  
OBSERVATORY  
GOLUSEVO  
252127 KIEV  
U.S.S.R.

KOVAR ROBERT P DR  
9666 E ORCHARD DR  
ENGLEWOOD CO 80111  
U.S.A.

KONDO YUJI DR  
CODE 683  
GODDARD SPACE FL CTR  
GREENBELT MD 20771  
U.S.A.

KONOPLEVA V P DR  
MAIN ASTRONOMICAL  
OBS UKRAINIAN ACAD  
OF SCIENCES  
252127 KIEV  
U.S.S.R.

KOORNNEFF JAN DR  
EUROPEAN SOUTHERN  
OBSERVATORY  
CASILLA 16317  
SANTIAGO 9  
CHILE

KOPP ROGER A DR  
LOS ALAMOS SCIENTI-  
FIC LABORATORY  
M S 531  
LOS ALAMOS NM 87545  
U.S.A.

KORMENDY JOHN DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA

KOSIN GENNADIY S DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

KOSTYLEV K V DR  
ENGELHARDT ASTRONO-  
MICAL OBSERVATORY  
422526 KAZAN  
U.S.S.R.

KOTOV V A DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.

KOURGANOFF VLADIMIR PROF  
20 AVE PAUL APPELL  
F-75014 PARIS  
FRANCE

KOVACS AGNES DR  
HELIOPHYSICAL OBS  
P O BOX 30  
H-4010 DEBRECEN  
HUNGARY

KOVALEVSKY JEAN DR  
CERGA  
AV COPERNIC  
F-06130 GRASSE  
FRANCE

KOVETZ ATTAY PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
TEL AVIV UNIVERSITY  
TEL-AVIV  
ISRAEL



- KOWAL CHARLES THOMAS DR  
DEPT OF ASTROPHYSICS  
CALTECH  
PASADENA CA 91125  
U.S.A.
- KOZIEL KAROL PROF DR  
UL 22 LIPCA 16  
43-460 WISLA  
POLAND
- KOZYREV NIKOLAJ A DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- KRAICHEVA Z DR  
DEPT OF ASTRONOMY  
BULGARIAN AC OF SCS  
7TH NOVEMBER ST 1  
1000 SOFIA  
BULGARIA
- KRASINSKY GEORGE A DR  
INST THEORET ASTRON  
USSR ACAD OF SCS  
10 KUTUZOV QUAY  
192187 LENINGRAD  
U.S.S.R.
- KRAUSE F DR  
ZNRINSTR ASTROPHYSIK  
ASTROPHYS OBS  
TELEGRAFENBERG  
DDR-15 POTSDAM  
G.D.R.
- KREIDL TOBIAS J N  
LOWELL OBSERVATORY  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.
- KRELOWSKI JACEK DR  
INST OF ASTRONOMY  
N COPERNICUS UNIV  
CHOPINA 12/18  
PL-87-100 TORUN  
POLAND
- KRESAKOVA MARGITA DR  
ASTRONOMICAL INST  
SAV  
DUBRAVSKA CESTA 11/A  
89930 BRATISLAVA  
CZECHOSLOVAKIA
- KRISHNA SWAMY K S DR  
ASTROPHYSICS GROUP  
TATA INSTITUTE  
COLABA  
BOMBAY 400005  
INDIA
- KRISTENSON HENRIK DR  
SLAANBAERSVAEGEN 9  
S-381 03 KALMAR  
SWEDEN
- KRIVSKY L DR  
ASTRONOMICAL  
INSTITUTE  
25165 ONDREJOV  
CZECHOSLOVAKIA
- KOYAMA SHIN PROF DR  
KAGAWA UNIVERSITY  
SAITAI CHO  
TAKAMATSU 760  
JAPAN
- KOZLOVSKY B Z DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
TEL-AVIV UNIVERSITY  
RAMAT AVIV  
ISRAEL
- KRAEMER GERHARD DR  
ERLENWEG 24  
D-7400 TUEBINGEN  
GERMANY, F.R.
- KRAMER KH N DR  
ODESSA STATE UNIVER-  
SITY ASTRONOMICAL  
OBSERVATORY  
270014 ODESSA  
U.S.S.R.
- KRAT VLADIMIR A PROF DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- KRAUSHAAR WILLIAM L PROF  
DEPT OF PHYSICS  
UNIV OF WISCONSIN  
1150 UNIVERSITY AVE  
MADISON WI 53706  
U.S.A.
- KREINER JERZY MAREK DR  
UL SPOLDZIELCOW 8/52  
30-682 KRAKOW 47  
POLAND
- KREMPEC JANINA DR  
N. COPERNICUS AST CTR  
ASTROPHYSICAL LAB  
CHOPINA 12/18  
87-100 TORUN  
POLAND
- KRIEGER ALLEN S DR  
AMERICAN SCIENCE AND  
ENGINEERING  
955 MASSACHUSETTS AV  
CAMBRIDGE MA 02139  
U.S.A.
- KRISHNAN THIRUVENKATA DR  
132-A LLOYDS ROAD  
GOPALAPURAM  
MADRAS 600086  
INDIA
- KRISTIAN JEROME DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.
- KRIZ SVATOPLUK DR  
DEPT. OF ASTRONOMY  
CHARLES UNIVERSITY  
SVEDSKA 8  
150 000 PRAGUE  
CZECHOSLOVAKIA
- KOZAI YOSHIHIDE PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 191  
JAPAN
- KOZLOWSKI MACIEJ DR  
ASTRONOMICAL  
OBSERVATORY  
AL UJAZDOWSKIE 4  
00-478 WARSZAWA  
POLAND
- KRAFT ROBERT P PROF  
LICK OBSERVATORY  
UNIVERSITY  
OF CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- KRANJC A DR  
OSS ASTRONOMICCO DI  
BRERA  
VIA BRERA 28  
I-20121 MILANO  
ITALY
- KRAUS JOHN D PROF  
RADIO OBSERVATORY  
OHIO ST UNIVERSITY  
2015 NEIL AVE  
COLUMBUS OH 43210  
U.S.A.
- KRAUTTER JOACHIM DR  
EUROP SOUTHERN OBS  
KARL-SCHWARZSCHILD-  
STR 2  
D-8046 GARCHING  
GERMANY, F.R.
- KREISEL E DR  
ZNRINSTR ASTROPHYSIK  
STERNW BABELSBERG  
ROSA LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.
- KRESAK LUBOR DR  
ASTRONOMICAL INST  
SLOVAK ACADEMY OF SC  
84228 BRATISLAVA  
CZECHOSLOVAKIA
- KRINOV EUGEN L PROF  
METEORITE COMMITTEE  
ACADEMY OF SCIENCES  
UL M ULIANOVSKI 3  
117313 MOSCOW  
U.S.S.R.
- KRISTENSEN LEIF KAHL DR  
INST OF PHYSICS  
UNIV OF AARHUS  
NY MUNKGADE  
DK-8000 AARHUS C  
DENMARK
- KRISTIANSSON KRISTER  
G B PROF  
DEPT OF PHYSICS  
SOELVEGATAN 14  
S-223 62 LUND  
SWEDEN
- KROGDahl W S DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY KENTUCKY  
LEXINGTON KY 40506  
U.S.A.

- KRON GERALD E DR  
PINECREST OBS  
416 N BERTRAND ST  
FLAGSTAFF AZ 86001  
U.S.A.
- KRON KATHERINE GORDON  
PINECREST OBS  
416 N BERTRAND ST  
FLAGSTAFF AZ 86001  
U.S.A.
- KRON RICHARD G  
YERKES OBSERVATORY  
WILLIAMS BAY WI53191  
U.S.A.
- KRONBERG PHILIPP DR  
UNIVERSITY  
OF TORONTO  
SCARBOROUGH COLLEGE  
TORONTO M1C 1A4  
CANADA
- KROOK M DR  
HARVARD COLLEGE OBS  
CAMBRIDGE MA 02138  
U.S.A.
- KRUEGER ENDRIK DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- KRUEGER ALBRECHT DR  
ZENTRALINSTITUT FUER  
SOLAR-TERR. PHYSIK  
RUDOWER CHAUSSEE 5  
DDR-1199 BERLIN  
G.D.R.
- KRUEGER E PROF  
VIA MAURO MACCHI 65  
I-20100 MILANO  
ITALY
- KRUMM NATHAN ALLYN  
PHYSICS DEPT  
UNIVERSITY OF  
CINCINNATI  
CINCINNATI OH 45221  
U.S.A.
- KRUSZEWSKI ANDRZEJ PROF  
ASTRONOMICAL  
OBSERVATORY  
AL UJAZDOWSKIE 4  
00-478 WARSZAWA  
POLAND
- KRZEMINSKI W DR  
COPERNICUS ASTRONO-  
MICAL CENTER  
UL BARTYCKA 18  
00-716 WARSAW  
POLAND
- KSANFOMALITI L V DR  
SPACE RESEARCH INSTI  
TUTE USSR ACADEMY OF  
SCIENCES  
117810 MOSCOW  
U.S.S.R.
- KUBIAK MARCIN A DR  
WARSAW UNIVERSITY  
OBSERVATORY  
AL UJAZDOWSKIE 4  
00-478 WARSAW  
POLAND
- KUBO YOSHIO  
ASTRONOMICAL DIV  
HYDROGRAPHIC DEPT  
TSUKIJI-5 CHUO-KU  
TOKYO 104  
JAPAN
- KUBOTA JUN DR  
KASAN OBSERVATORY  
YAMASHINA  
KYOTO 607  
JAPAN
- KUDRITZKI ROLF-PETER PH D  
INST F THEOR PHYSIK  
UND UNIV STERNWART  
OLSHAUSENSTRASSE  
D-2300 KIEL  
GERMANY, F.R.
- KUEHNE CHRISTOPH F DR  
CARL ZEISS COMPANY  
POSTFAC-1 35/36  
D-7062 OBERKOECHEN  
GERMANY, F.R.
- KUHI LEONARD V PROF  
ASTRONOMY DEPT  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.
- KUIJPERS JAN DR  
STERREKUNDIG INST  
SERVAAS BOLWERK 13  
3512 NK UTRECHT  
THE NETHERLANDS
- KUIPER THOMAS B H DR  
JET PROPULSION LABO-  
RATORY 183B-365  
PASADENA CA 91103  
U.S.A.
- KUKLIN S V DR  
SIBIZMIR  
P B 4  
664697 IRKUTSK 33  
U.S.S.S.R.
- KULIKOV K A PROF DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.S.R.
- KULIKOVSKIY P G DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.S.R.
- KULKARNI PRABHAKAR V PROF  
PHYSICAL RESEARCH  
LABORATORY  
AHMEDABAD 380 009  
INDIA
- KULSRUD R M DR  
ASTROPHYSICAL SCI  
PRINCETON UNIVERSITY  
PRINCETON NJ 08540  
U.S.A.
- KULTIMA JOHANNES  
GEOPHYSICAL OBS  
SF-99600 SODANKYLAE  
FINLAND
- KUMAJGORODSKAYA RAISA DR  
SPECIAL ASTROPHYS OB  
NIZHNIJ ARKHYZ  
357140 STAVROPOLSKIY  
KRAJ  
U.S.S.S.R.
- KUMAR CIDAMBI KRISHNA DR  
DEPT PHYSICS ASTRON  
HOWARD UNIV  
WASHINGTON DC 20059  
U.S.A.
- KUMAR S S PROF  
DEPT OF ASTRONOMY  
UNIV OF VA POR 3818  
CHARLOTTESVILLE  
VA 22903  
U.S.A.
- KUMSIASHVILI MZIA I DR  
ABASTUMANI ASTRO-  
PHYSICAL OBSERVATORY  
383762 GEORGIA  
U.S.S.S.R.
- KUMSISHVILI J I DR  
ABASTUMANY ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANY  
GEORGIA  
U.S.S.S.R.
- KUN MARTA DR  
KONKOLY OBSERVATORY  
HUNG ACADEMY OF SC  
BOX 67  
H-1525 BUDAPEST  
HUNGARY
- KUNCHEV PETER DR  
DEPT OF ASTRONOMY  
FACULTY OF PHYSICS  
ANTON IVANOV STR 5  
1126 SOFIA  
BULGARIA
- KUNDT WOLFGANG PROF DR  
INST F ASTROPHYSIK U  
EXTRATERR FORSCHUNG  
AUF DEM HUEGEL 71  
D-5300 BONN 1  
GERMANY, F.R.
- KUNDU MUKUL R DR  
ASTRONOMY PROGRAM  
UNIVERSITY MARYLAND  
COLLEGE PARK  
MD 20742  
U.S.A.

- KUNKEL WILLIAM E DR  
OBS NACIONAL  
RUA GENERAL BRUCE  
586 ZC 08  
RIO DE JANEIRO GB  
BRAZIL
- KUPERUS MAX PROF DR  
ASTRONOMICAL  
INSTITUTE  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS
- KUROCHKA L N DR  
KIEV STATE UNIVER-  
SITY ASTRONOMICAL  
OBSERVATORY  
252053 KIEV  
U.S.S.R.
- KURT V G DR  
SPACE RESEARCH INSTI  
TUTE USSR ACADEMY OF  
SCIENCES  
117910 MOSCOW  
U.S.S.R.
- KURUCZ ROBERT L DR  
SMITHSONIAN ASTRO-  
PHYSICAL OBSERVATORY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- KUSTAAHEIMO PAUL E PROF  
DIA E 451  
DANMARKS TEKNISKE  
HOJRSKOLE  
DK-2800 LYNGBY  
DENMARK
- KUTUZOV S A DR  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- KUZMIN ARKADII D  
PROF DR SC  
LEBEDEV PHYS INST  
ACADEMY SC  
117924 MOSCOW  
U.S.S.R.
- KWEE K K DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- KYLAFIS N D DR  
INSTITUTE FOR  
ADVANCED STUDY  
SCHOOL OF NATURAL SC  
PRINCETON NJ 08540  
U.S.A.
- LABEYRIE ANTOINE DR  
CERGA  
F-06460 ST VALLIER  
FRANCE
- LABRUM NORMAN R MR  
CSIRO DIVISION OF  
RADIOPHYSICS  
PO BOX 76  
EPPING NSW 2121  
AUSTRALIA
- KUNTH DANIEL  
INST D'ASTROPHYSIQUE  
98 BIS BOULEVARD  
ARAGO  
F-75014 PARIS  
FRANCE
- KUPPERIAN JAMES E DR  
GODDARD SPACE FLIGHT  
CENTER  
CODE 410  
GREENBELT MD 20771  
U.S.A.
- KUROKAWA HIROKI DR  
HIDA OBSERVATORY  
KAMITAKARA  
YOSHIKI-GUN  
GIFU  
JAPAN
- KURTH R DR  
PROF OF MATHEMATICS  
GEORGIA INST OF  
TECHNOLOGY  
ATLANTA GA 30332  
U.S.A.
- KUS ANDRZEJ JAN DR  
RADIOASTRONOMY OBS  
COPERNICUS UNIV  
CHOPINA 12/18  
PL-87-100 TORUN  
POLAND
- KUTNER MARC LESLIE DR  
PHYSICS DEPT  
RENSSELAER POLYTECH  
INST  
TROY NY 12181  
U.S.A.
- KUZMANOSKI MIKE  
INST OF ASTRONOMY  
UNIV OF BELGRADE  
STUDENTSKI TRG 16  
YU-11000 BELGRADE  
YUGOSLAVIA
- KUZMIN GRIGORI G PROF  
IAPHA ESTONIAN  
ACADEMY OF SCIENCES  
TORAVERE  
202444 TARTU  
U.S.S.R.
- KWITTER KAREN BETH  
DEPT OF PHYSICS &  
ASTRONOMY  
WILLIAMS COLLEGE  
WILLIAMSTOWN MA 02167  
U.S.A.
- LA BONTE BARRY JAMES  
INST FOR ASTRONOMY  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.
- LABEYRIE JACQUES DR  
CENTRE DES FAIBLES  
RADIOACTIVITES  
LAB MIXTE CNRS-CEA  
91190 GIF SUR YVETTE  
FRANCE
- LABS DIETRICH PROF  
LANDESSTERNWART  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- KUNZEL HORST  
ZENTRALINSTITUT FUER  
SOLARTERRESTRISCHE  
PHYSIK  
DDR-15 POTSDAM  
G.D.R.
- KURIL-CHIK V N DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- KURPINSKA-WINIARSKA M DR  
ASTRON OBS OF THE  
JAGELLONIAN UNIV  
UL DRLA 171  
30-244 KRAKOW  
POLAND
- KURTZ DONALD WAYNY DR  
ASTRONOMY DEPT  
UNIV OF CAPE TOWN  
RONDEBOSCH  
7700 CAPE  
SOUTH AFRICA
- KUSHWAHA R S PROF  
DEPT OF MATHEMATICS  
UNIV OF JODHPUR  
JODHPUR RAJ  
INDIA
- KUTTER G SIEGFRIED DR  
THE EVERGREEN STATE  
COLLEGE  
OLYMPIA WA 98505  
U.S.A.
- KUZMENKO K N DR  
ASTRONOMICAL OBSERVA  
TORY KHARKOV STATE  
UNIVERSITY  
310077 KHARKOV  
U.S.S.R.
- KVIZ ZDENEK DR  
SCHOOL OF PHYSICS  
UNIV OF SOUTH WALES  
P O BOX 1  
KENSINGTON NSW 2033  
AUSTRALIA
- KWOK SUN DR  
HERZBERG INST ASTRO  
NAT RES COUNCIL CAN  
100 SUSSEX DRIVE  
OTTAWA ONT K1A 0R6  
CANADA
- LA PADULA CESARE  
IST DI ASTRONOMIA  
SPAZIALE  
CASELLA POSTALE 67  
I-00044 FRASCATI  
ITALY
- LABORDE GEORGES DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- LACLARE F MR  
CERGA  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE

LACROUTE PIERRE A PROF  
2 RUE D ALISE  
F-21000 DIJON  
FRANCE

LAFFINEJR MARIUS MR  
21 BLVD BRUNE  
F-75014 PARIS  
FRANCE

LAGERQVIST ALPIN PROF  
INSTITUTE OF PHYSICS  
VANADISVAEGEN 9  
S-113 46 STOCKHOLM  
SWEDEN

LAHULLA J FORNICS DR  
OBSERVATORIO  
ASTRONOMICO  
ALFONSO XII 5  
MADRID 7  
SPAIN

LAMB DONALD QUINCY JR DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

LAMBECK KJRT PROF  
AUSTRALIA NAT UNIVER  
SITY RESEARCH SCHOOL  
EARTH SC PO BOX 4  
CANBERRA 2600  
AUSTRALIA

LAMERS H J G L M DR  
LAB VOOR RUIMTE-  
ONDERZOEK  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS

LAMY P DR  
LAB D'ASTRON SPAT  
TRAVERSE DU SIPHON  
LES-TROIS-LUCS  
F-13012 MARSEILLE  
FRANCE

LANDECKER PETER BRUCE DR  
HUGHES AIRCRAFT CO  
SP/COM CR BLDG 541  
MAIL B322 POB 92219  
LOS ANGELES CA 90009  
U.S.A.

LANDI-JESSY J DR  
OBSERVATORIO NACIO-  
NAL ARGENTINO  
CORDOBA  
ARGENTINA

LANDOLT ARLO U PROF  
DEPT PHYS AND ASTRON  
LOUISIANA STATE  
UNIVERSITY  
BATON ROUGE LA 70803  
U.S.A.

LANG JAMES DR  
RUTHERFORD APPLETON  
LABORATORY  
CHILTON  
DIDCOT OXON OX11 0JX  
U.K.

LACY CLAUDE H DR  
DEPT OF PHYSICS  
UNIV OF ARKANSAS  
FAYETTEVILLE AR72701  
U.S.A.

LAFON JEAN-PIERRE J DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

LAGO M T V T  
GRUPO DE MATEMATICA  
APLICADA  
RUA DAS TAIPAS 135  
4000 PORTO  
PORTUGAL

LAKE KAYLL WILLIAM DR  
DEPT OF PHYSICS  
QUEEN'S UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA

LAMB FREDERICK K PROF  
PHYSICS DEPT  
UNIVERSITY OF  
ILLINOIS  
URBANA IL 61801  
U.S.A.

LAMBERT DAVID L PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
R L MOORE HALL  
AUSTIN TX 78712  
U.S.A.

LAMLA ERICH F DR  
ASTRONOMISCHES INST  
STERNW UNIV BONN  
AUF DEM HUEGEL 71  
D-5300 BONN  
GERMANY, F.R.

LANCASTER BROWN PETER  
41 LINDEN CLOSE  
ALDEBURGH SUFFOLK  
U.K.

LANDECKER THOMAS L DR  
DOMINION RADIO ASTRON  
PHYSICAL OBSERVATORY  
BOX 248  
PENTICTON BC V2A 6K3  
CANADA

LANDINI MASSIMO PROF  
OBSERVATORIO ARCETRI  
LARGO FERMI  
I-50125 FIRENZE  
ITALY

LANDSTREET JOHN D PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
WESTERN ONTARIO  
LONDON ONT N6A 5B9  
CANADA

LANG KENNETH R ASST PROF  
DEPT OF PHYSICS  
TUFTS UNIVERSITY  
MEDFORD MA 02155  
U.S.A.

LADA CHARLES JOSEPH DR  
STEWART OBS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.

LAGERKVIST CLAES-INGVAR  
ASTRONOMISKA  
OBSERVATORIFT  
BOX 513  
S-751 23 UPPSALA  
SWEDEN

LAHIRI N C  
INDIAN ASTRON EPH UN  
INDIAN MET DEPT  
P-546 BLOCK N  
NEW ALIPORE CALCUTTA  
INDIA

LALA PETR DR  
ASTRONOMICAL INST  
CSAV  
251 65 ONDREJOV  
CZECHOSLOVAKIA

LAMB SUSAN ANN DR  
DEPT OF PHYSICS  
UNIV OF MISSOURI  
8001 NATURAL BRG RD  
ST LOUIS MO 63121  
U.S.A.

LAMBRECHT HERMANN PROF DR  
SCHILLERGAESSCHEN 2  
DDR-69 JENA  
G.D.R.

LAMPTON MICHAEL  
SPACE SCIENCES LAB  
UNIV OF CALIFORNIA  
BERKELEY CA 94729  
U.S.A.

LANDE KENNETH PROF  
PHYSICS DEPT  
UNIVERSITY OF  
PENNSYLVANIA  
PHILADELPHIA PA19104  
U.S.A.

LANDI DEGL INNOCENTI  
EGIDIO DR  
OBSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

LANDMAN DONALD ALAN DR  
INST FOR ASTRONOMY  
HALEAKALA OBS  
P O BOX 157  
KULA MAUI HI 96790  
U.S.A.

LANE ARTHUR LONNE DR  
JET PROPULSION LAB  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.

LANGER WILLIAM DAVID DR  
PLASMA PHYSICS LAB  
PRINCETON UNIV  
P O BOX 451  
PRINCETON NJ 08544  
U.S.A.

LANTOS PIERRE  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

LAPUSHKA K K DR  
LATVIAN STATE UNIVER  
SITY ASTRONOMICAL  
OBSERVATORY  
22609R RIGA  
U.S.S.R.

LARI C DR  
LAB NAZIONALE DI  
RADIOASTRONOMIA  
VIA FERNERIO 46  
I-40126 BOLOGNA  
ITALY

LARSON RICHARD B PROF  
YALE UNIVERSITY  
OBSERVATORY BOX 2023  
YALE STATION  
NEW HAVEN CT 06520  
U.S.A.

LASKARIDES PAJL G ASSPROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF ATHENS  
PANEPISTIUMIOPOLIS  
ATHENS 621  
GREECE

LATHAM DAVID W DR  
CTR F ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

LATYPOV A A DR  
ASTRONOMICAL INST  
UZBEKIAN ACAD OF SC  
700000 TASHKENT  
U.S.S.R.

LAURENT BERTIL E PROF  
INSTITUTE FOR  
THEORETICAL PHYSICS  
VANADISVAEGEN 9  
S-113 46 STOCKHOLM  
SWEDEN

LAUSTSEN SVEND DR  
AARHUS UNIVERSITY  
DK-8000 AARHUS C  
DENMARK

LAVROV M I DR  
ENGELHARDT ASTRONO-  
MICAL OBSERVATORY  
422526 KAZAN  
U.S.S.R.

LAYZER DAVID PROF  
HARVARD COLLEGE  
OBSERVATORY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

LE POOLE RUDOLF S DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS

LAPAZ LINCOLN DR  
INST DE METEORITICS  
UNIV OF NEW MEXICO  
CAMPUS PO BOX 23  
ALBUQUERQUE NM 87131  
U.S.A.

LAQUES PIERRE DR  
OBSERVATOIRE  
DU PIC DU MIDI  
F-65200 BAGNERES  
DE BIGORRE  
FRANCE

LARINK JOHANNES PROF DR  
HAMBURGER STERNWART  
BERGEDORF  
GOJENBERGSWEG 78  
D-2050 HAMBURG 80  
GERMANY, F.R.

LARSSON LEANDER GUNNAR  
PROF  
LUND OBSERVATORY  
SVANEGATAN 9  
S-222 24 LUND  
SWEDEN

LASKER BARRY M DR  
CERRO TOLLOLO  
INTERAMERICAN OBS  
CASILLA 63 D  
LA SERENA  
CHILE

LATOUR JEAN J  
OBS DU PIC-DU-MIDI  
ET DE TOULOUSE  
14 AV EDOUARD BELIN  
F-31400 TOULOUSE  
FRANCE

LAUBERTS ANDRIS DR  
ASTRONOMICAL  
OBSERVATORY  
BOX 515  
S-751 20 UPPSALA  
SWEDEN

LAURENT C DR  
L P S P  
B P NO 10  
F-91370 VERRIERES  
LE-BUISSON  
FRANCE

LAUTMAN D A DR  
SMITHSONIAN ASTRO-  
PHYSICAL  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

LAVRUKHINA A K PROF DR  
INSTITUTE OF GEOCHE-  
MISTRY AND ANALYTIC  
CHEMISTRY  
117334 MOSCOW  
U.S.S.R.

LAZOVIC JOVAN P PROF  
DEPT OF ASTRONOMY  
FACULTY OF SCIENCES  
STUDENTSKI TRG 16  
11000 BEOGRAD  
YUGOSLAVIA

LE SQUEREN ANNE-MARIE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

LAPOINTE S M DR  
UNIVERSITE DE QUEBEC  
2875 BOUL LAURIER  
STE-FDY P Q G1V 2M3  
CANADA

LARGE MICHAEL I DR  
SCHOOL OF PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA

LARSON HAROLD P DR  
LUNAR AND PLANETARY  
LABORATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.

LASHER GORDON JEWETT DR  
IBM WATSON RES CTR  
YORKTWN HTS NY 10598  
U.S.A.

LASOTA JAN PIOTR DR  
COPERNICUS ASTRONO-  
MICAL CENTER  
UL BARTYCKA 18  
00 716 WARSAW  
POLAND

LATTIMER JAMES M DR  
ASTROPHYSICS PROGRAM  
DEPT EARTH&SPACE SCS  
SUNY AT STONY BROOK  
STONY BROOK NY 11794  
U.S.A.

LAUNAY J M DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

LAUSBERG ANDRE DR  
INST D'ASTROPHYSIQUE  
AV DE COINTE 5  
B-4200 OUGREE-LIEGE  
BELGIUM

LAVAL ANNIE DR  
OBSERVATOIRE DE  
MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE

LAWRENCE G M DR  
LASP  
SPACE SCIENCE BLDG  
UNIV OF COLORADO  
BOULDER CO 80302  
U.S.A.

LE CONTEL JEAN M  
OBSERVATOIRE DE NICE  
LE MONT GROS  
B P 252  
F-06007 NICE CEDEX  
FRANCE

LEA SUSAN MAUREEN DR  
ASTRONOMY DEPT  
UNIV OF CALIFORNIA  
BERKELEY CA 94708  
U.S.A.

- LEACOCK ROBERT JAY  
DEPT OF ASTRONOMY  
UNIV OF FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- LEBOFSKY LARRY ALLEN  
LUNAR & PLANETARY  
LABORATORIUM  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- LECKRONE DAVID S DR  
GODDARD SPACE  
FLIGHT CENTER  
CODE 671  
GREENBELT MD 20771  
U.S.A.
- LEE P D DR  
LOUISIANA STATE UNIV  
BATON ROUGE LA 70803  
U.S.A.
- LEER EGIL PROF  
AURORA OBSERVATORY  
UNIVERSITY OF TROMSO  
P O BOX 253  
N-9001 TROMSU  
NORWAY
- LEGG THOMAS H DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NAT RES COUNCIL CANADA  
OTTAWA ONT KIA 0R6  
CANADA
- LEIBOWITZ ELIA M DR  
DEPT OF PHYSICS  
AND ASTRONOMY  
TEL AVIV UNIVERSITY  
TEL AVIV  
ISRAEL
- LEINERT CHRISTOPH DR  
MPI F ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- LEMAITRE GERARD R DR  
OBSERVATOIRE  
DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE
- LENZEN RAINER DR  
MPI FUER  
ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- LEQUEUX JAMES DR  
OBSERVATOIRE DE  
PARIS-MEUDDON  
F-92190 MEUDON  
FRANCE
- LETFUS VOJTECH DR  
ASTRONOMICAL INST  
CZECH ACAD SCIENCES  
251 65 ONDREJOV  
OBSERVATORY  
CZECHOSLOVAKIA
- LEBEDINETS V N DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- LEBOVITZ NORMAN R PROF  
MATHEMATICS DEPT  
UNIV OF CHICAGO  
5734 S UNIV AVE  
CHICAGO IL 60637  
U.S.A.
- LEDERLE TRUPPERT DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHHOFSTR 12 14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- LEE SEE-WOO DR  
DEPT EARTH SCIENCES  
KYUNGPOOK NATIONAL  
UNIVERSITY  
TAEGU CITY  
REPUBLIC OF KOREA
- LEFEBVRE MICHEL DR  
CNES-GRGS  
18 AVE E BELIN  
F-31055 TOULOUSE CED  
FRANCE
- LEHNERT BO P PROF  
DEPT PLASMA PHYSICS  
ROYAL INSTITUTE OF  
TECHNOLOGY  
S-10044 STOCKHOLM 70  
SWEDEN
- LEIGHTON R B PROF  
HALE OBSERVATORIES  
CALIF INST OF TECHN  
1201 E CALIFORNIA ST  
PASADENA CA 91125  
U.S.A.
- LELIEVRE G DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- LEMKE DIETRICH DR  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- LEORAT JACQUES DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- LEROY JEAN LOUIS  
OBSERVATOIRE  
DE PIC DE MIDI  
F-65200 BAGNERES  
DE BIGORRE  
FRANCE
- LEUNG CHUN MING DR  
DEPT OF PHYSICS  
RENSSELAER POLYTECHN  
INSTITUTE  
TROY NY 12181  
U.S.A.
- LEBLANC YOLANDE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- LECAR MYRON DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- LEDOUX P J PROF  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
B-4200 COINTE OUGREE  
BELGIUM
- LEE TEREVCE J DR  
U.K. INFRARED  
TELESCOPE UNIT  
900 LEILANI STREET  
HILO HI 96720  
U.S.A.
- LEFEVRE JEAN DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- LEIRACHER JOHN DR  
SPACE ASTRONOMY GP  
LOCKHEED 52-12/202  
3251 HANOVER ST  
PALO ALTO CA 94304  
U.S.A.
- LEIKIN G A DR  
ASTRONOMICAL COUNCIL  
USSR ACAD OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- LEMAIRE PHILIPPE DR  
L P S P CNRS  
B P 10  
F-91370 VERRIERES  
LE BUISSON  
FRANCE
- LENA PIERRE J PROF  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- LEPINE JACQUES R D DR  
CRAAM/ON/CNPQ  
RUA CEARA 290  
SAO PAULO  
BRAZIL
- LESTER JOHN B DR  
ASTRONOMY DEPT  
ERINDALE COLLEGE  
UNIV OF TORONTO  
MISSISSAUGA L5L 1C6  
CANADA
- LEUNG KAM CHING PROF  
BEHLEN OBSERVATORY  
DEPT PHYSICS ASTRON  
UNIV OF NEBRASKA  
LINCOLN NB 68588  
U.S.A.

- LEVALLOIS J J DR  
INSTITUT GEOGRAPHI-  
QUE NATIONAL  
2 AVE PASTEUR  
F-94160 SAINT-MANDE  
FRANCE
- LEVIN B J DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- LEVY JACQUES R DR  
OBSERVATOIRE  
DE PARIS  
61 AV L OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- LEWIS J S  
L BERKELEY LAB  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- LI HEN  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA
- LI NED C DR  
CALIFORNIA UNIV  
6531 WITHWURTH RD  
LOS ANGELES CA 90035  
U.S.A.
- LIDDELL U MR  
NASA LUNAR AND PLAN-  
ETARY PROGRAM OFF OF  
SPACE SC AND APPL  
WASHINGTON DC 20546  
U.S.A.
- LILLER MARTHA H DR  
HARVARD COLLEGE  
OBSERVATORY  
CAMBRIDGE MA 02138  
U.S.A.
- LILLIE C F DR  
DEPT PHYSICS ASTRON  
UNIV OF COLORADO  
BOULDER CO 80302  
U.S.A.
- LIN YUANZHANG  
PEKING ASTRONOMICAL  
OBSERVATORY  
ACADEMIA SINICA  
PEKING  
PEOPLE'S REPUBLIC CHINA
- LINDBLAD PER OLOF PROF  
STOCKHOLM  
OBSERVATORY  
S-133 00  
SALTSJÖBADEN  
SWEDEN
- LING CHIH-BING DR  
INST OF MATHEMATICS  
ACADEMIA SINICA  
P O BOX NO 143  
TAIPEI  
TAIWAN
- LEVASSEUR-REGJORD  
ANNY-CHANTAL DR  
SERV AERO CNRS BP 2  
F-91370 VERRIERES  
LE BUISSON  
FRANCE
- LEVINE RANDOLPH H DR  
CTR F ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- LEWIN WALTER H G PROF  
MIT 37-627  
CAMBRIDGE MA 02139  
U.S.A.
- LI CHUN-SHENG  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- LI J Y  
PYONGYANG ASTRONOMI-  
CAL OBS  
ACADEMY OF SCIENCES  
PYONGYANG  
DEM PEOPLE'S REP OF KOREA
- LI NENG-YAD  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- LIEBSCHER D F DR  
ZNRINST ASTROPHYSIK  
STERNW BABELSBERG  
ROSA LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.
- LILLER WILLIAM PROF  
CASILLA 604  
VINA DEL MAR  
CHILE
- LIN CHIA C PROF  
MIT  
DEPT OF MATHEMATICS  
77 MASSACHUSETTS AVE  
CAMBRIDGE MA 02139  
U.S.A.
- LINCOLN J VIRGINIA MISS  
WDC-A FOR SOLAR-  
TERRESTRIAL PHYSICS  
NOAA 063  
BOULDER CO 80303  
U.S.A.
- LINDEGREN LENNART DR  
LUND OBSERVATORIET  
BOX 1107  
S-221 04 LUND  
SWEDEN
- LINGENFELTER RICHARD E  
CTR ASTROPH & SP SCS  
C-011  
UN OF CALIF S DIEGO  
LA JOLLA CA 92093  
U.S.A.
- LEVATO ORLANDO H DR  
CALLE 38 NO 463  
1900 LA PLATA  
ARGENTINA
- LEVY EUGENE H DR  
DEPT PLANETARY SCI  
LUNAR AND PLANET LAB  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.
- LEWIS BRIAN MURRAY DR  
CARTER OBSERVATORY  
P O BOX 2909  
WELLINGTON  
NEW ZEALAND
- LI DONG-MING  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- LI JING  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- LI QI-BIN  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- LIESKE JAY H DR  
CALIF INST TECHN  
JET PROPULSION LAB  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- LILLEY EDWARD A PROF  
HARVARD COLLEGE  
OBSERVATORY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- LIN DOUGLAS E DR  
LICK OBSERVATORY  
UNIV OF CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- LINDBLAD BERTIL A DR  
LUND OBSERVATORY  
BOX 1107  
S-221 04 LUND  
SWEDEN
- LINSEY CHARLES ALLAN  
UNIVERSITY OF HAWAII  
AT MANOA  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.
- LINK FRANCOIS PROF  
INSTITUT  
D ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE

- LINKE RICHARD ALAN DR  
BELL LABS  
CRAWFORD HILL LAB  
HOLMDEL NJ 07733  
U.S.A.
- LINSKY JEFFREY L DR  
JILA  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80309  
U.S.A.
- LIPPINCOTT SARAH LEE DR  
SPROUL OBSERVATORY  
SWARTHMORE COLLEGE  
SWARTHMORE PA 19081  
U.S.A.
- LITTLE LESLIE T DR  
ELECTRONICS LAB  
UNIVERSITY OF KENT  
CANTERBURY  
KENT CT2 7NT  
U.K.
- LIU LIN  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- LIVSHITS M A DR  
INSTITUTE OF TERRE-  
STRIAL MAGNETISM AND  
IONOSPHERE  
142092 AKADEMGORJODOK  
U.S.S.R.
- LOCANTHI DOROTHY DAVIS DR  
2180 PINECREST DR  
ALTA DENA CA 91001  
U.S.A.
- LOCKWOOD G WESLEY DR  
LOWELL OBSERVATORY  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.
- LOHMANN WERNER PROF  
ASTRONOMISCHES  
RECHEN INSTITUT  
MÖNCHHOFSTR 12 14  
D-6900 HEIDELBERG  
GERMANY, F.R.
- LONGMORE ANDREW J  
UK INFRARED TEL UNIT  
900 LEILANI ST  
HILO HI 96720  
U.S.A.
- LOPEZ-ARRAYO M  
OBSERVATORIO  
ASTRONOMICO  
ALFONSO XII 5  
MADRID 7  
SPAIN
- LOSCO LUCETTE DR  
FACULTE DES SCIENCES  
BESANCON  
F-25030 BESANCON  
CEDEX  
FRANCE
- LINNELL ALBERT P PROF  
DEPT OF ASTRONOMY  
AND ASTROPHYSICS  
MICHIGAN STATE UNIV  
E LANSING MI 48824  
U.S.A.
- LINSLEY JOHN  
DEPT OF PHYSICS &  
ASTRONOMY  
UNIV OF NEW MEXICO  
ALBUQUERQUE NM 97131  
U.S.A.
- LISZT HARVEY STEVEN  
NRAO  
EDGEMONT ROAD  
CHARLOTTESVILLE  
VA 22901  
U.S.A.
- LITTLETON JOHN E  
DEPT OF PHYSICS  
WEST VIRGINIA UNIV  
MORGANTOWN WV 26506  
U.S.A.
- LIU SOU-YANG DR  
COMPUTER SCIENCES CO  
SYSTEM SCIENCES DIV  
9728 COLESVILLE ROAD  
SILVER SPRING MD 20910  
U.S.A.
- LLOYD-EVANS THOMAS DR  
S A ASTRONOMICAL OBS  
P O BOX 9  
OBSERVATORY  
CAPE 7935  
SOUTH AFRICA
- LOCHTE-HOLTGREVEN W PROF  
INSTITUT FUER EXPERI  
MENTALPHYSIK DER  
UNIVERSITAET  
D-2300 KIEL  
GERMANY, F.R.
- LODEN KERSTIN R DR  
STOCKHOLM  
OBSERVATORY  
S-133 00  
SALTSJÖBADEN  
SWEDEN
- LOMB NICHOLAS RALPH DR  
SYDNEY OBSERVATORY  
OBSERVATORY HILL  
SYDNEY NSW 2000  
AUSTRALIA
- LOPEZ GARCIA ZUELMA L DR  
OBS ASTRONOMIC  
FELIX AGUILAR  
AV BENAVIDEZ 8175 OE  
5407 MARQUESADO S J  
ARGENTINA
- LOREN ROBERT BRUCE DR  
MILLIMETER WAVE OBS  
MCDONALD OBS  
UNIV OF TEXAS  
FT DAVIS TX 79734  
U.S.A.
- LOTOVA N A DR  
PHYSICAL INSTITUTE  
USSR ACADEMY OF  
SCIENCES  
117924 MOSCOW  
U.S.S.R.
- LINNIK V P PROF DR  
MAIN ASTRONOMICAL  
OBSERVATORY PULKOVO  
196140 LENINGRAD  
U.S.S.R.
- LIPOVETSKY V A  
SPECIAL ASTROPHYS OBS  
ZELENCHUK  
357140 STAVROPOLSKIY  
KRAJ  
U.S.S.R.
- LITTLE ALEC G ASSOC PROF  
PHYSICS DEPT  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- LITVAK MARVIN M DR  
JPL CALTECH  
MAIL STOP 168-314  
4800 JAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- LIVINGSTON WILLIAM C  
KITTE PEAK NATIONAL  
OBSERVATORY  
P O BOX 4130  
TUCSON AZ 85726  
U.S.A.
- LO KWOK-YUNG DR  
OWENS VLY RADIO OBS  
CALTECH 102-24  
PASADENA CA 91125  
U.S.A.
- LOCKE JACK L DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NAT RES COUNC CANADA  
OTTAWA ONT KIA 0R6  
CANADA
- LODEN LARS OLDF PROF  
ASTRONOMICAL OBSERVA  
TORY BOX 515  
S-751 27 UPPSALA  
SWEDEN
- LONGAIR M S DR  
ASTRON ROYAL FOR  
SCOTLAND  
ROYAL OBS  
EDINBURGH EH9 3JH  
U.K.
- LOPEZ JOSE A ING  
OBS ASTRONOMIC  
FELIX AGUILAR  
AV BENAVIDEZ 8175 OE  
5407 MARQUESADO S J  
ARGENTINA
- LORTET MARIE CLAIRE  
D A F  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- LOUGHHEAD RALPH E DR  
NATIONAL MEASUREMENT  
LABORATORY  
BRADFIELD RD  
LINDFIELD NSW 2070  
AUSTRALIA



- LOUISE RAYMOND DR  
OBSERVATOIRE  
DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE
- LOVAS MIKLOS  
KONKOLY OBSERVATORY  
BOX 67  
1525 BUDAPEST  
HUNGARY
- LOW BOON CHYE  
HIGH ALTITUDE OBS  
NCAR  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- LOYOLA PATRICIO DR  
OBS ASTRON NACIONAL  
UNIVERSIDAD DE CHILE  
CASILLA 35-D  
SANTIAGO  
CHILE
- LU PHILLIP K DR  
DEPT PHYSICS ASTRON  
WESTERN CONN ST COL  
181 WHITE ST  
DANBURY CT 06810  
U.S.A.
- LUB JAN DR  
C/O ESO  
SCHLEISSHEIMERSTR 17  
D-8046 GARCHING B M  
GERMANY, F.R.
- LUCKE PETER B DR  
DEPT PHYSICS/ASTRON  
MT UNION COLLEGE  
ALLIANCE OH 44601  
U.S.A.
- LUEST RHEA DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- LUNDQUIST CHARLES A DR  
SPACE SCIENCES  
LABORATORY  
CODE E551  
HUNTSVILLE AL 35812  
U.S.A.
- LUO DING-JIANG  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- LUTZ THOMAS E DR  
DEPT OF PURE AND  
APPLIED MATHEMATICS  
WASHINGTON ST UNIV  
PULLMAN WA 99164  
U.S.A.
- LYNDEN-BELL DONALD PROF  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- LOULERGUE M DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- LOVELACE RICHARD V E DR  
SPACE SCIENCES BLDG  
CORNELL UNIV  
ITHACA NY 14853  
U.S.A.
- LOW FRANK J DR  
4940 CALLE BARRIL  
TUCSON AZ 85718  
U.S.A.
- LOZINSKAYA T A DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- LU TAN  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- LUCAS R DR  
GROUPE D'ASTROPHYS  
UNIVERSITE  
CERMO B P 53X  
F-38041 GRENoble  
FRANCE
- LUCY LEON B PROF  
DEPT OF ASTRONOMY  
COLUMBIA UNIVERSITY  
NEW YORK NY 10027  
U.S.A.
- LUKACEVIC ILIJA S DR  
FACULTY OF SCIENCES  
DEPT OF MECHANICS  
STUDENTSKI TRG 16  
11000 BEOGRAD  
YUGOSLAVIA
- LUNEL MADELEINE DR  
OBSERVATOIRE  
DE LYON  
F-69230 SAINT GENIS  
LAVAL  
FRANCE
- LUTZ BARRY L DR  
LOWELL OBSERVATORY  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.
- LUUD LAURI DR  
TARTU OBSERVATORY  
20244 ESTONIA  
U.S.S.R.
- LYNDS BEVERLY T DR  
KITT PEAK NATIONAL  
OBSERVATORY  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- LOVAS FRANCIS JOHN DR  
MOLECULAR SPECTR  
JIV 545  
NAT BUREAU STANDARDS  
WASHINGTON DC 20234  
U.S.A.
- LOVELL SIR BERNARD PROF  
JODRELL BANK  
GESHIRE SK11 9PL  
U.K.
- LOWE ROBERT P DR  
DEPT OF PHYSICS  
UNIV WESTERN ONTARIO  
LONDON ONT N6A 3K7  
CANADA
- LOZINSKIJ A M DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 49  
109017 MOSCOW  
U.S.S.R.
- LU YANG  
DEPT OF ASTRONOMY  
& MATHEMATICS  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- LUCCHINI F  
IST DI FISICA  
G GALILEI  
VIA MARZOLE 8  
I-35100 PADOVA  
ITALY
- LUEST REIMAR PROF  
MAX PLANCK SOCIETY  
POSTFACH 647  
D-8000 MUENCHEN 1  
GERMANY, F.R.
- LUMME KARI A DR  
OBSERVATORY  
TAHTITORNINMAKI  
SF-00130 HELSINKI 13  
FINLAND
- LUNGU NICOLAIE DR  
INST POLITEHNIC  
CAT DE MATEMATICA  
STR EMIL ISAC 15  
3400 CLUJ-NAPOCA  
ROUMANIA
- LUTZ JULIE H DR  
DEPT OF MATHEMATICS  
WASHINGTON STATE  
UNIVERSITY  
PULLMAN WA 99164  
U.S.A.
- LUYTEN WILLEM J PROF  
SPACE SCIENCE CENTER  
UNIVERSITY OF  
MINNESOTA  
MINNEAPOLIS MN 55455  
U.S.A.
- LYNDS ROGER C DR  
KITT PEAK NATIONAL  
OBSERVATORY  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.

LYNE ANDREW G DR  
NRAL  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9PL  
U.K.

LYTTELTON RAYMOND A PROF  
ST JOHNS COLLEGE  
CAMBRIDGE  
U.K.

MACCALLUM M A H  
DEPT OF APPLIED MATH  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.

MACDONALD GEOFFREY H DR  
ELECTRONICS LAB  
UNIVERSITY OF KENT  
CANTERBURY  
KENT CT2 7NT  
U.K.

MACHADO JOSE M A B DR  
TECHNICAL UNIVERSITY  
OF LISBON  
AV DA IGREJA 17 1 D  
LISBOA 5  
PORTUGAL

MACKAY CRAIG D DR  
INSTITUTE ASTRONOMY  
UNIVERSITY CAMBRIDGE  
MADINGLEY RD  
CAMBRIDGE CB3 0HA  
U.K.

MACRAE DONALD A PROF  
DAVID DUNLAP OBS  
P O BOX 360  
RICHMOND HILL  
ONT L4C 4Y6  
CANADA

MADDISON RONALD CH DR  
2 CHURCH PLANTATION  
KEELE PARK  
KEELE STAFFS  
U.K.

MAEHARA HIDEO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN

MAGALASHVILI N L DR  
ABASTUMANI ASTROPHYSICAL  
OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.R.

MAGNARADZE N S DR  
TBILISI STATE  
UNIVERSITY  
380043 TBILISI  
U.S.S.R.

MAHDY HAMED A DR  
HELWAN OBSERVATORY  
HELWAN-CAIRO  
ARAB REP. OF EGYPT

LYNGA GOSTA DR  
LUND OBSERVATORY  
BOX 1107  
S-221 04 LUND  
SWEDEN

LYUTY VICTOR M DR  
CRIMEAN STATION OF  
STERNBERG INSTITUTE  
NAUCHNYJ  
334413 CRIMEA  
U.S.S.R.

MACCHETTO FERDINANDO DR  
EUROPEAN SP AGENCY  
SPACE SCIENCE DEPT  
ESTEC  
NOORDWIJK  
THE NETHERLANDS

MACDONALD JAMES  
DEPT OF ASTRONOMY  
ASTRONOMY BUILDING  
1011 WEST SPRINGFIELD  
URBANA IL 61801  
U.S.A.

MACHALSKI JERZY DR  
UL MAZOWIECKA 36/33  
30-019 KRAKOW  
POLAND

MACLEOD JOHN M DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NAT RES COUNC CANADA  
OTTAWA ONT K1A 0R6  
CANADA

MACRIS CONSTANTIN J PROF  
RSAAM ACADEMY ATHENS  
ANAGNOSTOPOULOU 14  
ATHENS 136  
GREECE

MADORE BARRY FRANCIS DR  
DAVID DUNLAP OBS  
UNIV OF TORONTO  
RICHMOND HL L4C 4Y6  
CANADA

MAETZLER CHRISTIAN DR  
INST APPLIED PHYSICS  
SIDLERSTRASSE 5  
CH-3012 BERN  
SWITZERLAND

MAGALHAES ANTONIO A S DR  
OBS ASTRON DE BARRCOS  
UNIV DO PORTO  
MONTE DA VIRGEM  
4400 VILA NOVA GAIA  
PORTUGAL

MAGNI GIANFRANCO  
IST ASTROFISICA  
SPAZIALE  
VIALE DELL UNIV 11  
I-00185 ROMA  
ITALY

MAHMOUD FAROUK M A B DR  
HELWAN OBSERVATORY  
HELWAN CAIRO  
ARAB REP. OF EGYPT

LYTTKENS EJNAR DR  
SKOLGATAN 33 B  
S-752 21 UPPSALA  
SWEDEN

MACCACCARO TOMMASO DR  
LAB RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY

MACCONNELL DAPRELL J DR  
CENTRO DE INVEST DE  
ASTRONOMIA  
APARTADO 264  
MERIDA  
VENEZUELA

MACGILLIVRAY HARVEY T DR  
ROYAL OBSERVATORY  
SLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.

MACIEL WALTER J DR  
UNIV DE SAO PAULO  
INST ASTRO/GEOFISICO  
CAIXA POSTAL 30627  
01000 SAO PAULO SP  
BRAZIL

MACQUEEN ROBERT M DR  
HIGH ALTITUDE  
OBSERVATORY  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.

MACY WILLIAM WRAY DR  
LOCKHEED RES LAB  
3251 HANOVER ST  
BLDG 202 ORG 52-13  
PALO ALTO CA 94304  
U.S.A.

MAEDER ANDRE DR  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND

MAFFEI PAOLO PROF  
ISTITUTO DI FISICA  
CATEDRA DI ASTROFIS  
V DELL'ELCE DI SOTTO  
I-06100 PERUGIA  
ITALY

MAGNAN CHRISTIAN DR  
LAT  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE

MAGNAN ANDREAS DR  
INST APPLIED PHYSICS  
SIDLERSTRASSE 5  
CH-3012 BERN  
SWITZERLAND

MAHRA H S DR  
UTTAR PRADESH ST OBS  
MANORA PEAK  
NAINITAL 263 129  
INDIA

- MAIHARA TOSHINORI DR  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
SAKYOKU KYOTO 606  
JAPAN
- MAKARENKO EKATERINA N DR  
ASTRONOMICAL OBS  
PARK SHEVCHENKO  
270014 ODESSA  
U.S.S.R.
- MAKITA MITSUGU DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- MALAISE DANIEL J DR  
INSTITUT  
D'ASTROPHYSIQUE  
B-4200 COINTE-BOUGREE  
BELGIUM
- MALIN DAVID F DR  
ANGLO-AUSTRALIAN OBS  
P O BOX 296  
EPPING N S W 2121  
AUSTRALIA
- MALLIA EDWARD A DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RD  
U.K.
- MALVILLE J MAXIM PROF  
DEPT ASTROGEOPHYSICS  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80302  
U.S.A.
- MANARA ALESSANDRO A DR  
OSSERVATORIO ASTRONO  
MICO DI MILANO  
VIA BRERA 28  
I-20121 MILANO  
ITALY
- MANDELSTAM S L PROF  
INST OF SPECTROSCOPY  
USSR ACADEMY OF SC  
142092 AKADEMIGORO-  
DOK MOSCOW REGION  
U.S.S.R.
- MANNINO GIUSEPPE PROF  
ISTITUTO MATEMATICO  
VIA CAMPI 181  
I-41100 MODENA  
ITALY
- MANTEGAZZA LUCIANO  
OSS ASTRONOMICCO DI  
MERATE  
VIA BIANCHI 46  
I-22055 MERATE  
ITALY
- MARAN STEPHEN P DR  
NASA-GSFC CODE 680  
GREENBELT MD 20771  
U.S.A.
- MAILLARD JEAN-PIERRE DR  
CANADA FRANCE HAWAII  
TELESCOPE CJ  
P O BOX 1597  
KAMUELA HI 96743  
U.S.A.
- MAKAROVA ELENA A DR  
STERNBERG ASTRONOMI-  
CAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- MALACARA DANIEL  
INAGE  
AP POSTAL 216 Y51  
TONANTZINTLA  
PUEBLA PUE  
MEXICO
- MALAKPUR IRAJ DR  
INST OF GEOPHYSICS  
TEHRAN UNIVERSITY  
AMIRABAD SHUMALI  
TEHRAN  
IRAN
- MALINOVSKY MONIQUE DR  
L P S P  
B P NO 10  
F-91370 VERRIERES LE  
BUTSON  
FRANCE
- MALLIK D C V DR  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- MAMMAMO A DR  
OSS ASTROFISICO  
I-36012 ASIAGO VIC  
ITALY
- MANCHESTER RICHARD N DR  
CSIRO RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- MANFROID JEAN DR  
INST D'ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
AVENUE DE COINTE 5  
B-4200 COINTE-BOUGREE  
BELGIUM
- MANRIQUE WALTER T PROF  
OBS ASTRONOMICCO  
FELIX AGUILAR  
AV BENAVIDEZ 3175 CE  
5407 MARQUESADO S J  
ARGENTINA
- MAO WEI  
YUNNAN OBSERVATORY  
KUNMING  
YUNNAN PROVINCE  
PEOPLE'S REPUBLIC CHINA
- MARAR T M K  
ISRO SATELLITE CTR  
PEENYA  
BANGALORE 560 058  
INDIA
- MAITZEN HANS M DR  
UNIVERSITAETS-  
STERNWART  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- MAKINO FUMIYOSHI DR  
DEPT OF ASTROPHYSICS  
NAGOYA UNIVERSITY  
CHIKUSA-KU  
NAGOYA 464  
JAPAN
- MALAGNINI MARIA LUCIA  
OSS ASTRONOMICCO  
VIA TIEPOLO 11  
I-34131 TRIESTE  
ITALY
- MALARDOA STELLA M DR  
OBS ASTRONOMICCO  
PASEO DEL BOSQUE  
1900 LA PLATA  
ARGENTINA
- MALITSON HARRIET H MS  
13315 MAGELLAN AVE  
ROCKVILLE MD 20853  
U.S.A.
- MALTBY PER PROF  
INST THEOR PHYSICS  
UNIVERSITY OF OSLO  
P O BOX 1029  
BLINDERN OSLO 3  
NORWAY
- MANABE SEIJI DR  
INT'L LATITUDE OBS  
OF MIZUSAWA  
MIZUSAWA  
IWATE 023  
JAPAN
- MANCUSO-SANTI DR  
CAPODIMONTE ASTRONO-  
MICAL OBSERVATORY  
VIA MOIARIELLO 16  
I-80131 NAPOLI  
ITALY
- MANGENEY ANDRE DR  
OBSERVATOIRE DE  
MEUDON  
F-92190  
FRANCE
- MANSFIELD VICTOR N PROF  
COLGATE UNIVERSITY  
HAMILTON NY 13346  
U.S.A.
- MARABINI RODOLFO JOSE  
OBS ASTRONOMICCO  
PASEO DEL BOSQUE  
1900-LA PLATA  
ARGENTINA
- MARASCHI LAURA DR  
ISTITUTO DI FISICA  
VIA CELORIA 16  
I-20133 MILANO  
ITALY

MARCHAL C DR  
DEPT D'ETJDES DE  
SYNTHESE  
CNERA  
F-92320 CHATILLON  
FRANCE

MAREK JOHN  
DEPT OF APPLIED MATH  
UNIV CLG OF WALES  
ABERYSTWYTH DYFED  
U.K.

MARGRAVE THOMAS EWING JR  
1639 HELENA AVE  
MISSOULA MT 59801  
U.S.A.

MARILLI ETTORE DR  
OSS ASTRONOMIC  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY

MARK JAMES WAI-KEE DR  
L LIVERMORE LAB  
L-477  
UNIV OF CALIFORNIA  
LIVERMORE CA 94550  
U.S.A.

MARKKANEN TAPIO  
OBSERVATORY  
TAHTITORNINMAKI  
SF-00130 HELSINKI 13  
FINLAND

MAROCHNIK L S PROF DR  
USSR ACAD OF SCS  
SPACE RESEARCH INST  
PROFSOJDSNA A 84/32  
117810 MOSCOW  
U.S.S.R.

MARQUES MANUEL N DR  
OBSERVATORIO  
ASTRONOMICO  
TAPADA DA AJUDA  
LISBOA 3  
PORTUGAL

MARSDEN BRIAN G DR  
SMITHSONIAN ASTROPHY  
SICAL OBSERVATORY  
CAMBRIDGE MA 02138  
U.S.A.

MARSOGLJ S DR  
UNIV OBSERVATORY  
UNIVERSITE  
ISTANBUL  
TURKEY

MARTIN F DR  
DEPT D'ASTROPHYSIQUE  
UNIV DE NICE  
PARC VALROSE  
F-06034 NICE CEDEX  
FRANCE

MARTIN PETER G PROF  
DEPT OF ASTRONOMY  
UNIVERSITY TORONTO  
TORONTO ONT M5S 1A7  
CANADA

MARCUS ELLA PROF  
OBSERVATOIRE  
ASTRONOMIQUE  
5 R CUTITUL ARGINT  
BUCAREST 75212  
ROUMANIA

MARGON BRUCE H PROF  
ASTRONOMY DEPT FM-20  
UNIV OF WASHINGTON  
SEATTLE WA 98195  
U.S.A.

MARIE M A E S DR  
ASTRONOMY DEPT  
FACULTY OF SCIENCE  
CAIRO UNIVERSITY  
CAIRO  
ARAB REP. OF EGYPT

MARINO BRIAN F ENG  
BOX 72009  
NORTHCOTE  
AUCKLAND 9  
NEW ZEALAND

MARKARIAN B E DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.

MARKOWITZ WILLIAM DR  
APT 15-B  
2800 E SUNRISE BLVD  
FT LAUDERDL FL 33304  
U.S.A.

MAROV MIKHAIL YA DR  
INST OF APPLIED MATH  
USSR ACAD OF SCS  
MIUSSKAYA SQ 4  
125047 MOSCOW  
U.S.S.R.

MARRAGO HUGO G DR  
OBS ASTRONOMIC  
PASO DEL BOSQUE  
1900 LA PLATA  
ARGENTINA

MARSDEN PHILIP L PROF  
DEPT OF PHYSICS  
UNIVERSITY OF LEEDS  
LEEDS LS2 9JT  
U.K.

MARTEL MARIE-THERESE DR  
OBSERVATOIRE  
DE LYON  
F-69230 SAINT GENIS  
LAVAL  
FRANCE

MARTIN INACIO MALMONGE DR  
INST PESQUISAS  
ESPACIAIS  
INPE C P 515  
12200 S JOSE CAMPOS  
BRAZIL

MARTIN ROBERT N DR  
MPI FUER RADIASTRON  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

MARDIROSSIAN FABIO  
OSS ASTRONOMIC  
VIA G B TIEPOLO 11  
I-34131 TRIESTE  
ITALY

MARGONI R  
OSS ASTRONOMIC  
I-36012 ASIAGO VIC  
ITALY

MARIK MIKLÓS DR.  
ASTRONOMICAL DEPT.  
EOTVOS UNIVERSITY  
KUN BELA TER 2  
H-1083 BUDAPEST  
HUNGARY

MARISKA JOHN THOMAS  
CODE 4175M  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.

MARKELLOS VASSILIS V DR  
ASTRONOMY DEPT  
UNIV OF GLASGOW  
GLASGOW G12 8QQ  
U.K.

MARLBOROUGH J M PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
WESTERN ONTARIO  
LONDON ONT N6A 5B9  
CANADA

MARQUES DOS SANTOS P PROF  
INST ASTRONOMIC E  
GEOFISICO USP  
CAIXA POSTAL 30527  
01000 SAO PAULO SP  
BRAZIL

MARSCHER ALAN PATRICK  
ASTRONOMY DEPT  
BOSTON UNIVERSITY  
725 COMMONWEALTH AVE  
BOSTON MA 02215  
U.S.A.

MARSH JILLIAN C D  
HATFIELD POLYTECHNIC  
OBSERVATORY  
BAYFORDGURY NR HERT-  
FORD HERTS SG13 8LD  
U.K.

MARTIN DEREK H PROF  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.

MARTIN NICOLE DR  
OBSERVATOIRE  
DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE

MARTIN WILLIAM C DR  
A167 PHYSICS  
NATIONAL BUREAU OF  
STANDARDS  
WASHINGTON DC 20234  
U.S.A.

- MARTIN WILLIAM L DR  
ROYAL GREENWICH OBS  
HERSTMONCFUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- MARTINEZ M DR  
INST DE ASTRONOMIA  
UNAM  
APT POSTAL 70-264  
MEXICO DF  
MEXICO
- MARTRES MARIE-JOSEPHE  
OBSERVATOIRE DE  
PARIS-MEJDON  
F-92190 MEUDON  
FRANCE
- MARX GYORGY PROF.  
EOTVOS UNIVERSITY  
PUSKIN U 5  
H-1088 BUDAPEST  
HUNGARY
- MASLOWSKI JOZEF DR  
ASTRONOMICAL  
OBSERVATORY  
UL ORLA 171  
30-244 KRAKOW  
POLAND
- MASON HELEN E DR  
DEPT APPLIED MATH  
AND THEORET PHYSICS  
SILVER STREET  
CAMBRIDGE  
U.K.
- MASURSKY HAROLD PROF  
US GEOLOGICAL SURVEY  
BR OF ASTRO STUDIES  
2255 NORTH GEMINI DR  
FLAGSTAFF AZ 86001  
U.S.A.
- MATHER JOHN CROMWELL  
LAB FOR EXTRATERRES-  
TRIAL PHYSICS  
CODE 693-2 GSFC  
GREENBELT MD 20771  
U.S.A.
- MATHEWSON DONALD S DR  
MT STROMLO  
OBSERVATORY  
WODEN PD ACT 2606  
AUSTRALIA
- MATIAGIN VALERY S DR  
ASTROPHYSICAL INST  
480068 ALMA-ATA  
U.S.S.R.
- MATSUDA TAKUYA PROF  
DEPT AERONAUTIC ENG  
KYOTO UNIVERSITY  
YOSHIDAHONMACHI  
SAKYOKU KYOTO 606  
JAPAN
- MATSUOKA MASARU DR  
INST SPACE AERON SC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO  
TOKYO 153  
JAPAN
- MARTIN-LORON M DR  
HERMANOS MIRALLES 14  
MADRID 1  
SPAIN
- MARTINI ALDO DR  
CNR ASTROFISICA  
SPAZIALE C P 87  
I-00044 FRASCATI  
ROMA  
ITALY
- MARTYNOV D YA PROF DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- MARX S DR  
ZENTRINST ASTRIPHYSIK  
KARL SCHWARZSCHILD  
OBSERVATORIUM  
DDR-6901 TAUTENBURG  
G.D.R.
- MASNOU FRANCOISE DR  
28 ALLEE GAMBAUDERIE  
F-91190 GIF S YVETTE  
FRANCE
- MASON KEITH OWEN  
MULLARD SPACE  
SCIENCE LABORATORY  
HOLMBURY ST MARY  
DORKING SURREY  
U.K.
- MATAS VLADIMIR R DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHHOFSTR 12-14  
D-6900 HEIDELBERG  
GERMANY, F.R.
- MATHESON DAVID NICHOLAS  
SERC RUTHERFORD &  
APPLETON LAB  
CHILTON DICOT  
OXON OX11 0QX  
U.K.
- MATHEZ GUY  
OBS DE PARIS  
DEPT D'ASTROPHYSIQUE  
FONDAMENTALE  
F-92190 MEUDON  
FRANCE
- MATSAKIS DEMETRIOS N  
US NAVAL OBS  
3400 MASSACHUSETTS  
AVENUE NW  
WASHINGTON DC 20390  
U.S.A.
- MATSUMOTO MASAMICHI PROF  
FACULTY OF  
ENGINEERING  
GIFU UNIVERSITY  
504 KAGAMIGAHARA  
JAPAN
- MATSUSHIMA SATOSHI DR  
DEPT ASTRO PENNA ST  
UNIV 525 DAVEY LAB  
UNIVERSITY PARK  
PA 16802  
U.S.A.
- MARTINET LOUIS PROF  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND
- MARTINS DONALD HENRY DR  
DEPT PHYSICS ASTRON  
UNIV OF GEORGIA  
ATHENS GA 30602  
U.S.A.
- MARVIN URSULA B DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- MASANI A PROF  
OSS ASTRONOMICO DI  
BRERA  
VIA BRERA 28  
I-20100 MILANO  
ITALY
- MASNOU J L DR  
SECT D'ASTROPHYSIQUE  
CEN SACLAY  
B P NO 2  
F-91120 GIF-S-YVETTE  
FRANCE
- MASSEVICH A G DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- MATERNE JUERGEN  
INST ASTRON ASTROPH  
TU BERLIN  
ERNST-REUTER-PL  
D-1000 BERLIN 10  
GERMANY, F.R.
- MATHEWS WILLIAM G PROF  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95064  
U.S.A.
- MATHIS JOHN S PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
WISCONSIN  
MADISON WI 53706  
U.S.A.
- MATSON DENNIS L DR  
JPL 183-501  
4800 DAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- MATSUMOTO TOSHIO DR  
DEPT OF PHYSICS  
NAGOYA UNIVERSITY  
FUROCHO CHIKUSAKU  
NAGOYA 464  
JAPAN
- MATSUURA OSCAR T DR  
DEPTO DE ASTRONOMIA  
IAG-USP  
CAIXA POSTAL 30627  
01000 SAO PAULO SP  
BRAZIL

MATTEI JANET AKYUZ DR  
AAVSO  
187 CONCORD AVE  
CAMBRIDGE MA 02138  
U.S.A.

MATTILA KALEVI DR  
OBSERVATORY  
TAHTITORNINMAKI  
SF-00130 HELSINKI 13  
FINLAND

MAUCHERAT-JOUBERT M MME  
LAB D'ASTRON SPAT  
TRAVERSE DU SIPHON  
LES TROIS LUGS  
F-13012 MARSETTE  
FRANCE

MAURICE ERIC N  
ESO  
K-SCHWARZSCHILD-ST 2  
D-8046 GARCHING  
GERMANY, F.R.

MAVRIDIS L N PROF  
DEPT GEO ASTRONOMY  
UNIVERSITY  
OF THESSALONIKI  
THESSALONIKI  
GREECE

MAXWELL ALAN DR  
HARVARD RADIO  
ASTRONOMY STATION  
FORT DAVIS TX 79734  
U.S.A.

MAYALL NICHOLAS J ASTRON  
7206 E CAMINO VECINO  
TUCSON AZ 85715  
U.S.A.

MAYER PAVEL DR  
ASTRONOMY DEPT  
CHARLES UNIVERSITY  
SVEDSKA 8  
15000 PRAHA 5  
CZECHOSLOVAKIA

MAYOR MICHEL DR  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND

MAZUREK THADDEUS JOHN DR  
DEPT OF PHYSICS  
SUNY AT STONY BROOK  
LONG ISLAND NY 11794  
U.S.A.

MCADAM W BRUCE DR  
SCHOOL OF PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA

MCCABE MARIE K MS  
INST FOR ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.

MATTHEWS THOMAS A DR  
ASTRONOMY PROGRAM  
UNIVERSITY MARYLAND  
COLLEGE PK MD 20742  
U.S.A.

MATVEYENKO L I DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.

MAUDER HORST PROF DR  
ASTRONOMISCHES INST  
WALDHAUSER STR 64  
D-7400 TUEBINGEN  
GERMANY, F.R.

MAVRAGANIS A G DR  
DEPT OF MECHANICS B  
TECHN UNIV OF ATHENS  
7 K ZOGRAFOU ST  
ATHENS 624  
GREECE

MAVROMICHALAKI H DR  
NUCLEAR PHYSICS LAB  
COSMIC RAY GROUP  
104 SOLODOS ST  
ATHENS 144  
GREECE

MAY J ING  
OBS RADIOASTRONOMICO  
UNIV DE CHILE  
CASILLA 68  
MAIPU  
CHILE

MAYANO BRUNO  
OSS ASTRONOMICICO  
UNIVERSITARIO  
CASELLA POSTALE 596  
I-40100 BOLOGNA  
ITALY

MAYER URSULA DR  
JUL-NACHER-STR 22  
D-7530 PFORZHEIM  
GERMANY, F.R.

MAZA JOSE  
DEPTO DE ASTRONOMIA  
UNIVERSIDAD DE CHILE  
CASILLA 36-0  
SANTIAGO  
CHILE

MAZZITELLI ITALO DR  
LAB ASTROFIZICA SPAZ  
P O B 67  
I-00044 FRASCATI  
ITALY

MALISTER HAROLD A DR  
DEPT OF PHYSICS  
GEORGIA STATE UNIV  
UNIVERSITY PLAZA  
ATLANTA GA 30303  
U.S.A.

MCCARROLL RONALD PROF  
LAB D ASTROPHYSIQUE  
UNIVERSITE  
DE BORDEAUX I  
F-33405 TALENCE  
FRANCE

MATTIG PROF DR  
KIEPENHEUER INST  
FUER SONNENPHYSIK  
SCHWENCKSTRASSE 6  
D-7800 FREIBURG-BR  
GERMANY, F.R.

MATZNER RICHARD A PROF  
PHYSICS DEPT  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.

MAUGER CHANTAL DR  
OBS DE PARIS  
DEPT RADIOASTRONOMIE  
F-92190 MEUDON  
FRANCE

MAVRIDES S DR  
OBS DE PARIS  
DEPT RADIOASTRONOMIE  
F-92190 MEUDON  
FRANCE

MAX CLAIRE E DR  
L-477 LAWRENCE  
LIVERMORE LABORATORY  
P O BOX 808  
LIVERMORE CA 94550  
U.S.A.

MAYALL MARGARET W  
5 SPARKS ST  
CAMBRIDGE MA 02138  
U.S.A.

MAYER CORNELL H  
SPACE SCIENCE DIV  
NAVAL RESEARCH LAB  
CODE 7130  
WASHINGTON DC 20375  
U.S.A.

MAYFIELD EARLE B DR  
5536 MICHELLE DR  
TORRANCE CA 90503  
U.S.A.

MAZURE ALAIN DR  
OBS DE PARIS  
DEPT D'ASTROPHYSIQUE  
FONDAMENTALE  
F-92190 MEUDON  
FRANCE

MAZZUCCONI FABRIZIO DR  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

MCBREEN BRIAN PHILIP DR  
PHYSICS DEPT  
UNIV COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND

MCCARTHY DENNIS D DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.

- MCCARTHY MARTIN F DR  
SPECULA VATICANA  
CITTA DEL VATICANO  
VATICAN CITY STATE
- MCCLAINE EDWARD F  
4133 MAPLE RD  
MORNINGSIDE MD 20746  
U.S.A.
- MCCINTOCK JEFFREY E DR  
MASSACHUSETTS INSTI-  
TUTE OF TECHNOLOGY  
BLDG 37-521  
CAMBRIDGE MA 02139  
U.S.A.
- MCCLORE T B DR  
INST F ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.
- MCCLURE ROBERT D PROF  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- MCCCLUSKEY GEORGE E JR DR  
DIV OF ASTRONOMY  
DEPT OF MATHEMATICS  
LEHIGH UNIVERSITY  
BETHLEHEM PA 18015  
U.S.A.
- MCCORD T B DR  
INST F ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.
- MCCRACKEN KENNETH G DR  
CSIRO  
MINERAL PHYSICS SECT  
P O BOX 136  
NORTH RYDE NSW 2113  
AUSTRALIA
- MCCRAY RICHARD DR  
JILA  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80309  
U.S.A.
- MCCREA J DERMOTT  
DEPT OF MATH PHYSICS  
UNIVERSITY COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND
- MCCREA WILLIAM H PROF  
ASTRONOMY CENTRE  
SUSSEX UNIVERSITY  
BRIGHTON BN1 9QH  
U.K.
- MCCROSKY RICHARD E DR  
CENTER FOR  
ASTROPHYSICS  
CAMBRIDGE MA 02138  
U.S.A.
- MCCULLOCH P M DR  
DEPT OF PHYSICS  
UNIV OF TASMANIA  
HOBART TASMANIA  
AUSTRALIA
- MCCUTCHEON WILLIAM H PROF  
DEPT OF PHYSICS  
UNIVERSITY OF B C  
2075 WESBROOK MALL  
VANCOUVER BC V6T 1W5  
CANADA
- MCDONALD FRANK B DR  
CODE 660  
NASA GSFC  
GREENBELT MD 20771  
U.S.A.
- MCDONALD J K PETRIE DR  
DOMINION ASTROPHYSI-  
CAL OBSERVATORY  
5071 W SAANICH ROAD  
VICTORIA BC V8X 3X3  
CANADA
- MCDONNELL J A M DR  
SPACE SCIENCE LAB  
UNIVERSITY OF KENT  
CANTERBURY  
KENT CT2 7NT  
U.K.
- MCDONOUGH THOMAS R DR  
SPACE SCIENCES DIV  
JPL 264-738  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- MCELROY M B DR  
KITTS PEAK NAT OBS  
950 N CHERRY AVE  
TUCSON AZ 85726  
U.S.A.
- MCGEE JAMES D PROF  
10 HILLTOP CRESCENT  
APT 3E  
FAIRLIGHT 2094  
SYDNEY  
AUSTRALIA
- MCGEE RICHARD X DR  
CSIRO DIVISION OF  
RADIOPHYSICS  
PO BOX 76  
EPPING NSW 2121  
AUSTRALIA
- MCGIMSEY BEN O JR DR  
DEPT OF PHYSICS  
GEORGIA STATE UNIV  
UNIVERSITY PLAZA  
ATLANTA GA 30303  
U.S.A.
- MCINTOSH BRUCE A DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NAT RES COUNCIL CAN  
OTTAWA ONT K1A 0R6  
CANADA
- MCKEE CHRISTOPHER F PROF  
PHYSICS DEPT  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.
- MCKEITH DONALD D DR  
17 ADELAIDE PARK  
BELFAST BT9 6FX  
U.K.
- MCKEITH NIAL ENDA DR  
ST PATRICK'S COLLEGE  
MAYNOOTH CO KILDARE  
IRELAND
- MCKENNA LAWLOR SUSAN  
M P DR  
ST PATRICKS COLLEGE  
MAYNOOTH CO KILDARE  
IRELAND
- MCKINLEY DONALD W R DR  
1889 FAIRMEADOW CR  
OTTAWA ONT  
CANADA
- MCLAREN ROBERT A DR  
DEPT OF ASTRONOMY  
UNIV OF TORONTO  
TORONTO ONT M5S 1A7  
CANADA
- MCLEAN DONALD J DR  
DIV OF RADIOPHYSICS  
CSIRO  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- MCLEAN IAN S DR  
LUNAR AND PLANET LAB  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- MCMULLAN DENNIS DR  
CAVENDISH LAB  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.
- MCNALLY DEREK DR  
UNIVERSITY OF LONDON  
OBSERVATORY  
MILL HILL PARK  
LONDON NW7 2QS  
U.K.
- MCMAMARA DELBERT H DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
BRIGHAM YOUNG UNIV  
PROVO UT 84602  
U.S.A.
- MCVITTIE GEORGE C PROF  
74 OLD DUFFER ROAD  
CANTERBURY  
KENT CT1 3AY  
U.K.
- MCWHIRTER R W PETER DR  
ASTROPHYSICS RES DIV  
CULHAM LAB  
ABINGDON  
OXON OX14 3DB  
U.K.
- MEABURN J DR  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
MANCHESTER M13 9PL  
U.K.

- MEAD JAYLEE MONTAGUE DR  
NASA-GSFC  
CODE 680  
GREENBELT MD 20771  
U.S.A.
- MEDVEDEV YURI A DR  
ASTRONOMICAL OBS  
ODESSA STATE UNIV  
270014 ODESSA  
U.S.S.R.
- MEGESSIER CLAUDE DR  
OBSERVATOIRE PARIS  
61 AVE OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- MEIER ROBERT R  
1003 PRISCILLA LANE  
ALEXANDRIA VA 22308  
U.S.A.
- MEINEL ADEN B PROF  
OPTICAL SCIENCES CTR  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.
- MEISEL DAVID D DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
STATE UNIV COLLEGE  
GENESEO NY 14454  
U.S.A.
- MELCHIOR PAUL J PROF  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
AVENUE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM
- MELROSE DONALD B DR  
DEPT OF THEORETICAL  
PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY N S W 2006  
AUSTRALIA
- MENDEZ ROBERTO H DR  
INST ASTRON FIS ESP  
CASILLA 67  
SUCURSAL 28  
1428 BUENOS AIRES  
ARGENTINA
- MENEGUZZI MAURICE M DR  
SEC ETUDES SPATIALES  
OPEH SACLAY  
BP 2  
F-91190 GIF S YVETTE  
FRANCE
- MENTESE HUSEYIN DR  
ISTANBUL UNIVERSITY  
FACULTY OF SCIENCE  
ISTANBUL  
TURKEY
- MERGENTALER JAN PROF  
ASTRONOMICAL INST  
KOPERNIKA 19  
51-617 WROCLAW  
POLAND
- MEADOWS A JACK PROF  
ASTRONOMY AND HISTO-  
RY OF SCIENCE DEPT  
UNIVERSITY LEICESTER  
LEICESTER LE1 7RH  
U.K.
- MEEKS M LITTLETON DR  
LINCOLN LABORATORY  
P O BOX 73  
LEXINGTON MA 02173  
U.S.A.
- MEGRELISHVILI T G PROF  
ABASTUMANI ASTROPHY-  
SICAL OBSERVATORY  
383762 ABASTUMANI  
GEORGIA  
U.S.S.S.R.
- MEIN NICOLE DR  
OBS DE PARIS  
DASOP  
F-92190 MEUDON  
FRANCE
- MEINIG MANFRED DR  
ZENTRALINSTITUT  
PHYSIK DER ERDE  
TELEGRAFENBERG 17 A  
DDR-15 POTSDAM  
G.D.R.
- MEKLER YURI DR  
DEPT OF GEOPHYSICS  
TEL-AVIV UNIVERSITY  
TEL-AVIV  
ISRAEL
- MELIK-ALAVERDIAN YU DR  
BYURAKAN ASTRO-  
PHYSICAL OBSERVATORY  
378433 ARMENIA  
U.S.S.S.R.
- MEN' A V DR  
INSTITUTE OF RADIO-  
PHYSICS AND ELECTRO-  
NICS  
310095 KHARKOV  
U.S.S.S.R.
- MENDIS D ASUKA DR  
APIS UCSD  
LA JOLLA CA 92093  
U.S.A.
- MENNESSIER MARIE-ODILE DR  
LABORATOIRE  
D ASTRONOMIE  
U S T L  
F-34060 MONTPELLIER  
FRANCE
- MENZIES JOHN W DR  
SAAD  
PO BOX 9  
OBSERVATORY  
CAPE TOWN 7935  
SOUTH AFRICA
- MERLEAU-PONTY J PROF  
5 RUE DU GENERAL  
DE CASTELNAU  
F-75015 PARIS  
FRANCE
- MEBOLD J DR  
MPI FUER RADIO-  
ASTRONOMIE  
AUF DEM HEUGEL 69  
D-5300 BONN 1  
GERMANY, F.R.
- MEFFROY JEAN F PROF DR  
INST MATHÉMATIQUES  
UNIV DES SCIENCES ET  
TECHN DU LANGUEDOC  
F-34060 MONTPELLIER  
FRANCE
- MEHLTRETTER J P DR  
KIEPENHEUER INST  
FUER SONNENPHYSIK  
SCHDENECKSTR 6  
D-7800 FRIBURG-BR  
GERMANY, F.R.
- MEIN PIERRE  
OBSERVATOIRE  
DE MEUDON  
5 PLACE JANSSEN  
F-92190 MEUDON  
FRANCE
- MEIRE RAPHAEL  
WEIDERSTRAAT 11  
B-9050 EVERGEM  
BELGIUM
- MELBOURNE WILLIAM G DR  
JPL  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- MELNICK JORGE  
DEPTO DE ASTRONOMIA  
UNIVERSIDAD DE CHILE  
CASILLA 36-D  
SANTIAGO  
CHILE
- MENDEZ MANUEL DR  
INST DE ASTRONOMIA  
UNAM  
APT POSTAL 70-264  
MEXICO DF  
MEXICO
- MENDIOLA V EUGENIO E DR  
CIDA  
APARTADO 264  
MERIDA  
VENEZUELA
- MENON T K PROF  
DEPT GEOPHYS/ASTRON  
UNIVERSITY OF  
BRITISH COLUMBIA  
VANCOUVER BC V6T 1W5  
CANADA
- MERCIER CLAUDE DR  
ORS DE PARIS  
DASOP  
F-92190 MEUDON  
FRANCE
- MERMAN G A DR  
INST OF THEORETICAL  
ASTRONOMY  
192187 Leningrad  
U.S.S.S.R.



- MERMAN NATALIA V DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- MERTON GERALD MC MA PHD  
17 HOLYWELL  
OXFORD OX1 3SA  
U.K.
- MESSAGE PHILIP J DR  
DEPT APPLIED MATHS  
THEORETICAL PHYSICS  
THE UNIVERSITY  
LIVERPOOL L69 3BX  
U.K.
- METZ K DR  
INSTITUT F ASTRONO-  
MIE UND ASTROPHYSIK  
SCHEINERSTR 1  
D-8000 MUENCHEN 80  
GERMANY, F.R.
- MEYER CLAUDE DR  
C E R G A  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE
- MEYER-HOFMEISTER E DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- MIANES PIERRE DR  
OBSERVATOIRE DE  
TOULOUSE  
AV C FLAMMARION 1  
F-31500 TOULOUSE  
FRANCE
- MICHALITSIANOS ANDREW  
NASA-GSFC  
CODE 685  
GREENBELT MD 20771  
U.S.A.
- MICHEL F CURTIS PROF  
RICE UNIVERSITY  
HOUSTON TX 77001  
U.S.A.
- MIDDLEHURST BARBARA M MS  
LUNAR AND PLANETARY  
INSTITUTE  
3303 NASA ROAD 1  
HOUSTON TX 77058  
U.S.A.
- MIGNARD FRANCOIS DR  
CERGA  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE
- MIKAMI TAKAO DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- MERMILLIOD JEAN-CLAUDE DR  
INST D'ASTRONOMIE  
UNIVERSITE LAUSANNE  
CH-1290 CHAVANNES-  
DES-BOIS  
SWITZERLAND
- MERTZ LAWRENCE N DR  
287 FAIRFIELD COURT  
PALO ALTO CA 94306  
U.S.A.
- MESTEL LEON PROF  
ASTRONOMY CENTRE  
UNIVERSITY OF SUSSEX  
BRIGHTON BN1 9QH  
U.K.
- MEURERS JOSEPH PROF DR  
UNIVERSITAETS-  
STERNWARTE  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- MEYER FRIEDRICH DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
K-SCHWARZSCHILD-ST 1  
D-8046 GARCHING  
GERMANY, F.R.
- MEZETTI MARINO  
OSS ASTRONOMICCO DI  
TRIESTE  
VIA G B TIEPOLO 11  
I-34131 TRIESTE  
ITALY
- MIAO YONG-KUAN  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- MICHARD RAYMOND DR  
DIRECTOR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- MICHEL K W PROF  
INST PHYSIK CHEMIE  
UNIVERSITAET  
STUTTGART  
D-7000 STUTTGART 80  
GERMANY, F.R.
- MIETELSKI JAN S DR  
AL MICKIEWICZA 13-5  
31-120 KRAKOW  
POLAND
- MIHAILA IERONIM M DR  
BUCHAREST UNIVERSITY  
ACADEMIEI 14  
TOL09 BUCHAREST  
ROUMANIA
- MIKESELL ALFRED H MR  
2109 EAST COPPER ST  
TUCSON AZ 85719  
U.S.A.
- MERRILL JOHN F DR  
DEPT OF ASTRONOMY  
SSRB 211  
UNIV OF FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- MERZANIDES CONSTANTINOS  
DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
THESSALONIKI  
GREECE
- MESZAROS PETER DR  
CDD 660  
NASA/GSFC  
LAB HIGH EN ASTROPH  
GREENBELT MD 20771  
U.S.A.
- MEWE R DR  
LAB VOOR RUIMTE-  
ONDERZOEK  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS
- MEYER J P DR  
SECT D'ASTROPHYSIQUE  
GEN SACLAY  
B P NO 2  
F-91190 GIF-S-YVETTE  
FRANCE
- MEZGER PETER G PROF  
MPI FUER RADIO-  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN 1  
GERMANY, F.R.
- MIAO YONG-RUI  
SHAANXI OBSERVATORY  
LINTONG XIAN  
SHAANXI  
PEOPLE'S REPUBLIC CHINA
- MICHAUD GEORGES J DR  
250 DU FINISTERE  
ST-LAMBERT J45 1P5  
CANADA
- MICZAIKA G R DR  
TRW SYSTEMS R5-2291  
1 SPACE PARK  
REDONDO BCH CA 90278  
U.S.A.
- MIGEOTTE MARCEL V PROF  
INSTITUT  
D'ASTROPHYSIQUE  
B-4200 COINTE-DOUGREE  
BELGIUM
- MIHALAS DIMITRI DR  
HIGH ALTITUDE OBS  
NCAR  
BOX 3000  
BOULDER CO 80307  
U.S.A.
- MIKHAEL FAHMY I PROF DR  
AIN SHAMS UNIVERSITY  
CAIRO  
ARAB REP. OF EGYPT

- MIKHAIL JOSEPH SIDKY DR  
HELWAN OBSERVATORY  
CAIRO  
ARAB REP. OF EGYPT
- MILANI ANDREA  
IST DI MATEMATICA  
VIA BUONARROTI 2  
I-56100 PISA  
ITALY
- MILET BERNARD L DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- MILLAR THOMAS J DR  
MATHEMATICS DEPT  
UMIST  
P O BOX 88  
MANCHESTER M60 1QD  
U.K.
- MILLER JOHN C DR  
DEPT OF ASTROPHYSICS  
UNIV OF OXFORD  
SOUTH PARKS ROAD  
OXFORD  
U.K.
- MILLET JEAN DR  
LAS  
TRAVERSE DU SIPHON  
LES TROIS LUCS  
13012 MARSEILLE  
FRANCE
- MILLIS ROBERT L DR  
LOWELL OBSERVATORY  
P O BOX 1269  
FLAGSTAFF AZ 86001  
U.S.A.
- MILLS BERNARD Y PROF  
SCHOOL OF PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- MILONE LUIS A DR  
OBSERVATORIO  
DE CORDOBA  
LAPRIDA 854  
5000 CORDOBA  
ARGENTINA
- MINN YOUNG KEY DR  
KOREAN NATIONAL  
OBSERVATORY  
KANGNAM-KU  
SEOUL 134-03  
REPUBLIC OF KOREA
- MIRABEL IGOR FELIX DR  
DEPT OF PHYSICS  
FAC OF NATURAL SCI  
UNIV OF PUERTO RICO  
RIO PIEDRAS PR 00931  
U.S.A.
- MISNER CHARLES W PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY MARYLAND  
COLLEGE PARK MD20742  
U.S.A.
- MIKHAILOV ALEXANDRA PROF  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- MILANO LEOPOLDO DR  
CAPODIMONTE ASTRONO-  
MICAL OBSERVATORY  
VIA MOIARIELLO 16  
I-80131 NAPOLI  
ITALY
- MILEY G K DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- MILLER FREEMAN D PROF  
UNIVERSITY MICHIGAN  
DEPT OF ASTRONOMY  
DENNISON BLDG  
ANN ARBOR MI 48109  
U.S.A.
- MILLER JOSEPH S PROF  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95060  
U.S.A.
- MILLIGAN J E  
ASTROPHYSICS BRANCH  
GODDARD SPACE FL CTR  
GREENBELT MD 20771  
U.S.A.
- MILLMAN PETER M DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NAT RES COUNCIL CANADA  
OTTAWA ONT KIA 0R6  
CANADA
- MILNE DOUGLAS K DR  
CSIRO  
DIV OF RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- MILOVANOVIC VLADETA DR  
INSTITUT ZA GEODE-  
ZIJU BEOGRAD  
BUL REVOLUCIJE 73  
11000 BEOGRAD  
YUGOSLAVIA
- MINNET HARRY C MR  
CSIRO DIVISION OF  
RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- MIRZOYAN L N DR PROF  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- MISSANA MARCO DR  
VIA BERGAMO  
I-22058 OSNAGO COMO  
ITALY
- MIKHELSON NIKOLAJ N DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- MILES HOWARD G MR  
21 BABBACOMBE RD  
COVENTRY CV3 5PE  
U.K.
- MILKEY ROBERT W DR  
AURA INC  
1002 N WARREN AVE  
TUCSON AZ 85719  
U.S.A.
- MILLER HUGH R PROF  
DEPT OF PHYSICS  
GEORGIA STATE  
UNIVERSITY  
ATLANTA GA 30303  
U.S.A.
- MILLER RICHARD H DR  
ASTRONOMY DEPT  
UNIV OF CHICAGO  
5640 ELLIS AVE  
CHICAGO IL 60637  
U.S.A.
- MILLIKAN ALLAN G DR  
RESEARCH LABS B-59  
EASTMAN KODAK CO  
ROCHESTER NY 14650  
U.S.A.
- MILLS ALLAN A DR  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
LEICESTER LE1 7RH  
U.K.
- MILONE EUGENE F PROF  
PHYSICS DEPT  
UNIVERSITY  
OF CALGARY  
CALGARY ALTA T2N 1N4  
CANADA
- MININ I N DR  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- MINTZ BLANCO MA B MR  
CERRO TOLLO INTER-  
AMERICAN OBS  
CASTILLA 63-D  
LA SERENA  
CHILE
- MISCONI NEBITL YOUSIF DR  
SPACE ASTRONOMY LAB  
SUNY  
EXECUTIVE PARK EAST  
ALBANY NY 12203  
U.S.A.
- MISSANA NATALF PROF  
VIA PUCCINI N.3  
I-10025 PINO  
TORINESE  
ITALY

MITALAS ROMAS ASSOC PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
WESTERN ONTARIO  
LONDON ONT N6A 5B9  
CANADA

MITCHELL WALTER E JR  
ASTRONOMY DEPT  
OHIO STATE UNIV  
174 W 18TH AVE  
COLUMBUS OH 43210  
U.S.A.

MITROFANOVA LYUDMILA A DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

MIYAJI SHIGEKI DR  
LAB FOR ASTRONOMY &  
SOLAR PHYSICS  
NASA GSFC  
GREENBELT MD 20771  
U.S.A.

MIYAMOTO SYOTARO PROF DR  
KASAN OBSERVATORY  
YAMA HIGASHIYAMA  
KYOTO 607  
JAPAN

MOCZKO JANUSZ DR  
BORDWIEC  
63-120 KURNIK  
POLAND

MOELLENHUFF CLAUS DR  
LANDESSTERNWART  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

MOESGAARD KRISTIAN P PH D  
BYGADEN 1  
TORRILD  
DK-8300 JODER  
DENMARK

MOFFET ALAN T PROF  
OWENS VALLEY RADIO  
OBSERVATORY  
CALTECH 102 24  
PASADENA CA 91125  
U.S.A.

MOHLER JERREN C PROF  
405 AWIKA RD  
ANN ARBOR MI 48104  
U.S.A.

MOLES MARIANO J DR  
JOSE ANTONIO 5  
BINACED HUESCA  
SPAIN

MONFILS ANDRE G PROF  
INSTITUT  
D'ASTROPHYSIQUE  
B-4200 CJOINTE-LIEGE  
BELGIUM

MITCHELL GEORGE F DR  
DEPT OF ASTRONOMY  
SAINT MARY S  
UNIVERSITY  
HALIFAX NS B3H 3C3  
CANADA

MITIC LJUBISA A DR  
OBSERVATOIRE  
DE BELGRADE  
VOLGINA 7  
11050 BELGRADE  
YUGOSLAVIA

MITTON SIMON DR  
CAMBRIDGE UNIV PRESS  
P O BOX 110  
CAMBRIDGE CB2 3RL  
U.K.

MIYAMOTO MASANORI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN

MNATSAKANIAN MAMIKON A DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.

MOALI SARMA B DR  
8518 NIGHTINGALE DR  
LANHAM MD 20706  
U.S.A.

MOELLER OLE PROF  
INST OF ASTRONOMY  
UNIVERSITY OF AARHUS  
DK-8000 AARHUS C  
DENMARK

MOFFAT ANTHONY F J DR  
DEPT DE PHYSIQUE  
UNIVERSITE  
DE MONTREAL  
MONTREAL P 2 H3C 3J7  
CANADA

MOFFETT THOMAS J PROF  
DEPT OF PHYSICS  
PURDUE UNIVERSITY  
WEST LAFAYETTE  
IN 47907  
U.S.A.

MOISEEV I G DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.

MOLNAR MICHAEL R PROF  
UNIVERSITY OF TOLEDO  
RITTER OBSERVATORY  
TOLEDO OH 43606  
U.S.A.

MONNET GUY J DR  
OBSERVATOIRE DE LYON  
AVENUE CHARLES ANDRE  
F-69230 ST GENIS  
LAVAL  
FRANCE

MITCHELL R MR  
C/O CICESE  
AV CASTELUM NO 898  
ENSENADA  
BAJA CALIFORNIA  
MEXICO

MITRA A P DR  
ASST DIRECTOR  
NATIONAL PHYSICAL  
LABORATORY  
NEW DELHI  
INDIA

MIYADI MASASI DR  
SENGAWA 3-6-11  
CHOFU-SHI 182  
JAPAN

MIYAMOTO SIGINORI PROF  
DEPT OF PHYSICS  
OSAKA UNIVERSITY  
MACHIKANAYA MA-CHO  
TOYONAKA OSAKA 560  
JAPAN

MOCHNACKI S W DR  
DAVID DUNLAP OBS  
DEPT OF ASTRONOMY  
UNIV OF TORONTO  
TORONTO ONT M5S 1A7  
CANADA

MOEISETTE JERRY L PROF  
HOUSTON BAPTIST  
UNIVERSITY  
7502 FONDREN AVE  
HOUSTON TX 77074  
U.S.A.

MOERDIJK WILLY G DR  
ST PIETERSAALSTR 171  
B-9000 GENT  
BELGIUM

MOFFATT HENRY KEITH  
6 BANHAM'S CLOSE  
CAMBRIDGE CB3  
U.K.

MOGILEVSKIY EH I DR  
INSTITUTE OF TERRE-  
STRIAL MAGNETISM AND  
IONOSPHERE  
142092 AKADEMGORODOK  
U.S.S.R.

MOLCHANOV A P PROF  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199179 LENINGRAD  
U.S.S.R.

MONAGHAN JOSEPH J DR  
MATHEMATICS DEPT  
MONASH UNIVERSITY  
CLAYTON VICT 3168  
AUSTRALIA

MONSIGNORI FOSSI BRUNA DR  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

MONTES C DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE

MOONS MICHELE B M M  
DEPT DE MATHEMATIQUE  
FAC UN NO DE LA PAIX  
REMPART VIERGE B  
B-5000 NAMUR  
BELGIUM

MOORE PATRICK DR OBE  
FARTHINGS  
39 WEST STREET  
SELSEY SUSSEX  
U.K.

MOOS HENRY WARREN DR  
DEPT OF PHYSICS  
JOHNS HOPKINS UNIV  
BALTIMORE MD 21218  
U.S.A.

MORBAY CHRISTOPHER L  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA

MORENO HUGO PROF  
DEP DE ASTRONOMIA  
UNIVERSIDAD DE CHILE  
CASILLA 35-D  
SANTIAGO  
CHILE

MORGAN DAVID H DR  
ROYAL OBSERVATORY  
BLACKFURU HILL  
EDINBURGH EH9 3HJ  
U.K.

MORGAN THOMAS H DR  
DEPT PHYSICS/ASTRON  
SOUTHWESTERN UNIV  
GEORGETOWN TX 78626  
U.S.A.

MORIMOTO MASAKI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 191  
JAPAN

MOROZ V I PROF DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.

MORRAS RICARDO DR  
INSTITUTO ARGENTINO  
DE RADIOASTRONOMIA  
CASTILLA DE CORREO 5  
1894-VILLA ELISA  
ARGENTINA

MORRIS S C DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA

MONTMERLE T DR  
SECT D'ASTROPHYSIQUE  
CEN SACLAY  
B P NO 2  
F-91190 GIF-S-YVETTE  
FRANCE

MOORE D R DR  
DEPT APPLIED MATHS  
AND THEORETICAL PHYS  
SILVER STREET  
CAMBRIDGE CB3 9EW  
U.K.

MOORE RONALD L DR  
SOLAR ASTRONOMY  
264 33  
CALIF INST TECHNOLOG  
PASADENA CA 91125  
U.S.A.

MORAN JAMES M DR  
CENTER FOR  
ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

MOREELS G DR  
OBS DE BESANCON  
41 BIS AVENUE DE  
L'OBSERVATOIRE  
F-25000 BESANCON  
FRANCE

MORETON G E  
15-5 THE ESPLANADE  
BALMORAL BCH NSW2088  
AUSTRALIA

MORGAN JOHN ADRIAN  
74 HIGHDOWN ROAD  
HOVE SUSSEX  
U.K.

MORGAN W W PROF  
YERKES OBSERVATORY  
WILLIAMS BAY WI53191  
U.S.A.

MORISON IAN MR  
NRAL  
JODRELL BANK  
CHESHIRE SK11 9DL  
U.K.

MOROZHENKO A V DR  
MAIN ASTRON OBS  
UKRAINIAN ACAD OF SC  
GOLOSEVO  
252127 KIEV  
U.S.S.R.

MORRIS DAVID DR  
MPI FUER RADIOASTRON  
AUF DEM HUEGEL 69  
D-5300 BONN 1  
GERMANY, F.R.

MORRISON DAVID PROF  
CODE SL  
NASA HEADQUARTERS  
WASHINGTON DC 20546  
U.S.A.

MOOK DELO E PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
DARTMOUTH COLLEGE  
HANOVER NH 03755  
U.S.A.

MOORE ELLIOTT P PROF  
JOINT OBSERVATORY  
F COMETARY RESEARCH  
CAMPOS STATION  
SOCORRO NM 87801  
U.S.A.

MOORHEAD JAMES M DR  
ASTRONOMY DEPT  
UNIVERSITY OF  
WESTERN ONTARIO  
LONDON ONT N6A 3K7  
CANADA

MORANDO BRUNO L DR  
BUREAU D LONGITUDES  
77 AVE JENFERT  
ROCHEREAU  
F-75014 PARIS  
FRANCE

MOREL PIERRE JACQUES DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE

MORGAN BRIAN LEALAN  
BLACKETT LABORATORY  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.

MORGAN PETER DR  
DEPT EARTH PLANET SC  
CODE 54-419  
MIT  
CAMBRIDGE MA 02139  
U.S.A.

MORGULEFF NINA ING  
INST D ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE

MORIYAMA FUMIO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 191  
JAPAN

MOROZHENKO N N DR  
MAIN ASTRON OBS  
UKRAINIAN ACAD OF SC  
GOLOSEVO  
252127 KIEV  
U.S.S.R.

MORRIS MARK ROOF DR  
DEPT OF ASTRONOMY  
COLUMBIA UNIV  
NEW YORK NY 10027  
U.S.A.

MORRISON LESLIE V  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

- MORRISON NANCY JUNLAP DR  
DEPT PHYSICS ASTRON  
UNIV OF TOLEDO  
2801 W BANCROFT ST  
TOLEDO OH 43606  
U.S.A.
- MORTON DONALD C DR  
ANGLO AUSTRALIAN  
OBSERVATORY  
P O BOX 296  
EPPING N S W 2121  
AUSTRALIA
- MORTON G A DR  
1122 SKYCREST DRIVE  
APT 6  
WALNUT CREEK CA 94595  
U.S.A.
- MOSS CHRISTOPHER DR  
VATICAN OBS RES GR  
STEWART OBS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- MOSS DAVID L DR  
MATHEMATICS DEPT  
MANCHESTER  
UNIVERSITY  
MANCHESTER M13 9PL  
U.K.
- MOTZ LLOYD PROF  
DEPT OF ASTRONOMY  
COLUMBIA UNIVERSITY  
PUPIN HALL BOX 57  
NEW YORK NY 10027  
U.S.A.
- MOULD JEREMY R  
KPNO  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- MOTTA SANTO DR  
CSS ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY
- MOTZ LLOYD PROF  
DEPT OF ASTRONOMY  
COLUMBIA UNIVERSITY  
PUPIN HALL BOX 57  
NEW YORK NY 10027  
U.S.A.
- MOUSCHOVIAS TELEMACHOS CH  
DEPT OF ASTRONOMY  
UNIVERSITY ILLINOIS  
URBANA IL 61801  
U.S.A.
- MOUSSAS XENOPHON PH D  
20 SKYLITSI STREET  
ATHENS 707  
GREECE
- MOURADIAN ZADIG M DR  
OBSERVATOIRE DE  
PARIS-MEUDON  
F-92190 MEUDON  
FRANCE
- MOUTSOULAS MICHAEL PROF  
ASTRONOMY DEPT  
UNIVERSITY OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 621  
GREECE
- MOVAHED REZA DR  
P O BOX 6  
BABOL SAR  
IRAN
- MUKAI TADASHI DR  
KANAZAWA INSTITUTE  
OF TECHNOLOGY  
ENKOJITHONMACHI  
KANAZAWA 921  
JAPAN
- MUENCH GUIDO PROF  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- MUELLER EDITH A PROF  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND
- MUELLER HELMUT O PROF  
HERZOGENMUEHLESTR 4  
CH-8051 ZUERICH  
SWITZERLAND
- MUKAI SONOYO DR  
KANAZAWA INSTITUTE  
OF TECHNOLOGY  
ENKOJITHONMACHI  
KANAZAWA 921  
JAPAN
- MULDERS GERARD F W  
4519 EVERETT ST  
KENSINGTON MD 20795  
U.S.A.
- MULHOLLAND J DERRAL DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- MUENCH GUIDO PROF  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- MULLAN DERMOTT J DR  
BARTOL RESEARCH  
FOUNDATION  
UNIV OF DELAWARE  
NEWARK DE 19711  
U.S.A.
- MULLER A B DR  
ESO  
K-SCHWARZSCHILD-ST 2  
D-8046 GARCHING BEI  
MUENCHEN  
GERMANY, F.R.
- MULLER C A PROF ING  
ODINKSVELD 8  
7491 HD DELDEN  
THE NETHERLANDS
- MULLER PAUL  
CERGA  
AV COPERNIC  
F-06130 GRASSE  
FRANCE
- MULLER R DR  
OBS DU PIC-DU-MIDI  
F-65200 BAGNERES-DE-  
BIGORRE  
FRANCE
- MULLER RICHARD A  
LAWRENCE BERKELEY  
LABORATORY  
BLDG 50 RM 238  
BERKELEY CA 94720  
U.S.A.
- MUMFORD GEORGE S PROF  
BALLOU HALL  
TUFTS UNIVERSITY  
MEDFORD MA 02155  
U.S.A.
- MUNRO RICHARD H DR  
HIGH ALTITUDE  
OBSERVATORY  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- MURDIN PAUL G DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- MURDOCH HUGH S DR  
ASTROPHYSICS DEPT  
UNIVERSITY OF SYDNEY  
SYDNEY 2006  
AUSTRALIA
- MURDOCK THOMAS LEE  
OPI STOP 30  
AIR FORCE GEOPHYSICS  
LABORATORIUM  
HANSCOM AFB MA 01731  
U.S.A.

- MURPHY ROBERT E DR  
CODE SL-4  
NASA HEADQUARTERS  
WASHINGTON DC 20546  
U.S.A.
- MURRAY STEPHEN S DR  
HARVARD-SMITHSONIAN  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- MUSTEL E R PROF DR  
ASTRONOMICAL COUNCIL  
USSR ACAD OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- MUZZIO JUAN C DR  
OBSERVATORIO  
ASTRONOMICO  
PASEO DEL BOSQUE  
1900 LA PLATA  
ARGENTINA
- NACOZY PAUL E PROF  
AEROSPACE ENGR AND  
ENGR MECHANICS  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- NAGASAWA SHINGO PROF  
TOKYO SCIENCE UNIV  
2641 YAMAZAKI  
HIGASHI KAMEYAMA  
NODASHI 278  
JAPAN
- NAGIBEDA VALERY G DR  
LENINGRAD UNIVERSITY  
ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- NAKAGAWA NAOKA DR  
UNIV OF ELECTRO-  
COMMUNICATIONS  
CHOFU-541  
TOKYO 181  
JAPAN
- NAKAI YOSHIHIRO  
KWSAN AND HIDA  
OBSERVATORIES  
KYOTO UNIVERSITY  
KYOTO 607  
JAPAN
- NAKANO SABURO DR  
KOBINATO 1-21-7  
BUNKYO KU  
TOKYO 112  
JAPAN
- NAKAZAWA KIYOSHI DR  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
KITASHIRAKAWA OIWAKE  
SAKYOKU KYOTO 606  
JAPAN
- NAPIER WILLIAM M DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- MURRAY C ANDREW  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- MUSEN PETER DR  
8804 ORBIT LANE  
LANHAM MD 20801  
U.S.A.
- MUTEL ROBERT LUCIEN  
DEPT OF PHYSICS &  
ASTRONOMY  
UNIVERSITY OF IOWA  
IOWA CITY IA 52242  
U.S.A.
- MYACHIN V F DR  
INSTITUTE OF THEORE-  
TICAL ASTRONOMY  
192187 LENINGRAD  
U.S.S.R.
- NADOLSKI V PROF DR  
COMARDEGANI  
OF TESCANI JUD  
BACAU  
ROUMANIA
- NAGASE FUMIYAKI DR  
DEPT OF ASTROPHYSICS  
NAGOYA UNIVERSITY  
CHIKUSA-KU  
NAGOYA 464  
JAPAN
- NAHON FERNAND PROF  
25 AVE DE L-EUROPE  
F-92310 SEVRES  
FRANCE
- NAKAGAWA YOSHINARI DR  
HIGH ALTITUDE  
OBSERVATORY  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- NAKAMURA TAKASHI DR  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
KYOTO 606  
JAPAN
- NAKANO TAKENORI DR  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
KITASHIRAKAWA OIWAKE  
SAKYOKU KYOTO 606  
JAPAN
- NAMBA OSAMU DR  
ASTRONOMICAL INST  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS
- NAQVI S I H PROF  
DEPT OF PHYS & ASTRO  
UN OF REGINA  
REGINA S4S 0A2  
CANADA
- MURRAY JOHN B DR  
UNIV OF LONDON  
OBSERVATORY  
MILL HILL PARK  
LONDON NW7 2QS  
U.K.
- MUSMAN STEVEN DR  
JPL  
264-748  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- MUTSCHLEFNER J PAUL DR  
ASTRONOMY DEPT  
SWAIN HALL W  
INDIANA UNIVERSITY  
BLOOMINGTON IN 47405  
U.S.A.
- MYERS PHILIP C PROF  
PHYSICS DEPT  
MIT  
BLDG 26 RM 349  
CAMBRIDGE MA 02139  
U.S.A.
- NADYOZHIN D K DR  
INST THEOR EXP PHYS  
CHEREMUSHKINSKAJA 25  
117259 MOSCOW  
U.S.S.R.
- NAGIRNER DMITRIJ I DR  
LENINGRAD UNIVERSITY  
ASTRONOMICAL OBS  
199178 LENINGRAD  
U.S.S.R.
- NAKADA YOSHIKAZU DR  
DEPT OF ASTRONOMY  
FACULTY OF SCIENCE  
UNIV TOKYO BUNKYO-KU  
TOKYO 113  
JAPAN
- NAKAGAWA YOSHI TSUGU DR  
DEPT OF PHYSICS  
FACULTY OF SCIENCE  
KYOTO UNIVERSITY  
KYOTO 606  
JAPAN
- NAKAMURA TSUKO DR  
DODAIRA STATION  
TOKYO ASTRON OBS  
TOKIGAWA  
SAITAMA 355-05  
JAPAN
- NAKAYAMA SHIGERU DR  
FACULTY GENERAL EDUC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO  
TOKYO 153  
JAPAN
- NANDY KASHINATT DR  
ROYAL OBSERVATORY  
EDINBURGH  
BLACKFORD EH9 3HJ  
U.K.
- NARANAN S PROF  
TATA INSTITUTE OF  
FUNDAMENTAL RESEARCH  
HOMI BHABHA ROAD  
BOMBAY 400005  
INDIA

- NARAYANA J V  
REG METEOROLOGICAL  
OFFICE  
4 COLLEGE ROAD  
MADRAS 600006  
INDIA
- NARITA SHINJI DR  
DOSHISHA UNIVERSITY  
KYOTO 602  
JAPAN
- NATHER R EDWARD  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- NAWAR SAMIR DR  
HELWAN OBSERVATORY  
HELWAN  
ARAB REP. OF EGYPT
- NEE TSU-WEI DR  
INST OF PHYSICS AND  
ASTRONOMY  
NAT CENTRAL UNIV  
CHUNG-LI  
TAIWAN
- NEFF JOHN S  
605 BROOKLAND PK DR  
IOWA CITY IA 52240  
U.S.A.
- NELSON GRAHAM JOHN DR  
CSIRO DIV. RADIOPHYS  
SOLAR RADIO OPS  
P O BOX 94  
NARRABRI NSW 2390  
AUSTRALIA
- NEMIRO ANDREJ A DR PROF  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- NEUKUM S DR  
INST FUER ALLG UND  
ANGEW GEOLGIE  
LUISENSTR 37  
D-8000 MUENCHEN  
GERMANY, F.R.
- NEVEN LUC DR  
OBSERVATOIRE ROYAL  
AVENUE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM
- NEWELL EDWARD B DR  
MT STROMLO AND  
SIDING SPRING OBS  
PRIVATE BAG  
WOODEN A C T 2606  
AUSTRALIA
- NEWSOM GERALD H ASST PROF  
ASTRONOMY DEPT  
OHIO STATE UNIV  
174 W 19TH AVE  
COLUMBUS OH 43210  
U.S.A.
- NARIAI HIDEICHI  
RESEARCH INST FOR  
THEORETICAL PHYSICS  
HIROSHIMA UNIVERSITY  
725 TAKEHARA  
JAPAN
- NARLIKAR JAYANT V PROF  
TATA INSTITUTE OF  
FUNDAMENTAL RESEARCH  
HOMI BHABHA ROAD  
BOMBAY 400 005  
INDIA
- NATTA ANTONELLA DR  
CNR ASTROFISICA  
SPAZIALE C P 67  
I-00044 FRASCATI  
ROMA  
ITALY
- NECKEL HEINZ DR  
HAMBURGER STERNWARTE  
D-2050 HAMBURG 80  
GERMANY, F.R.
- NEEMAN YUVAL PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
TEL AVIV UNIVERSITY  
TEL AVIV  
ISRAEL
- NELSON ALISTAIR H DR  
DEPT OF APPLIED MATH  
AND ASTRONOMY  
UNIV COLLEGE  
CARDIFF  
U.K.
- NELSON JERRY  
LAWRENCE BERKELEY  
LABORATORY  
UNIV. OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- NESS NORMAN F DR  
NASA GSFC CODE 690  
GREENBELT MD 20771  
U.S.A.
- NEUPERT WERNER M DR  
NASA GODDARD SPACE  
FLIGHT CENTER  
CODE 682  
GREENBELT MD 20771  
U.S.A.
- NEVIN THOMAS E PROF  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND
- NEWKIRK GORDON A JR DR  
HIGH ALTITUDE  
OBSERVATORY NCAR  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- NEWTON ROBERT R DR  
JOHNS HOPKINS UNIV  
APPLIED PHYSICS LAB  
JOHNS HOPKINS RD  
LAUREL MD 20810  
U.S.A.
- NARIAI KYOJI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
MITAKA  
TOKYO 181  
JAPAN
- NATALI GIULIANO DR  
LAB ASTROFISICO SPAZ  
P O BOX 67  
I-00044 FRASCATI  
ITALY
- NAUMOV VITALIJ A DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- NECKEL TH DR  
MPI FUER ASTRONOMIE  
D-6900 HEIDELBERG-  
KOENIGSTUHL  
GERMANY, F.R.
- NEFEDOVA ANTONINA I DR  
ENGELHARDT ASTRONO-  
MICAL OBSERVATORY  
OBSERVATORY STATION  
422526 KAZAN  
U.S.S.R.
- NELSON BURT DR  
DEPT OF ASTRONOMY  
SAN DIEGO STATE  
UNIVERSITY  
SAN DIEGO CA 92115  
U.S.A.
- NELSON ROBERT M  
183/501 JET PROPUL-  
SION LAB  
PASADENA CA 91109  
U.S.A.
- NEUGERAUER GERRY DR  
PHYSICS DEPARTMENT  
CALIF INST OF TECHN  
320 DOWNS  
PASADENA CA 91125  
U.S.A.
- NEUZIL LUDEK DR  
ASTRONOMICAL INST  
CZECH ACAD SCIENCES  
OBSERVATORY  
251-65 ONDREJOV  
CZECHOSLOVAKIA
- NEWBURN RAY L JR  
3226 EMERALD ISLE DR  
GLENDALE CA 91206  
U.S.A.
- NEWMAN MICHAEL JOHN DR  
T-DOT MS 288  
LOS ALAMOS SC LAB  
P O BOX 1663  
LOS ALAMOS NM 87545  
U.S.A.
- NEY EDWARD P PROF  
DEPT OF ASTRONOMY  
DATE LAB OF PHYSICS  
UNIV OF MINNESOTA  
MINNEAPOLIS MN 55455  
U.S.A.

NHA II-SEONG DR  
66 SINCHONONG  
SEOGDAEMJONKU  
SEOUL 120  
REPUBLIC OF KOREA

NICHOLSON WILLIAM  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

NICOLOV N S DR  
UNIVERSITE DE SOFIA  
FACULTE PHYSIQUE  
SOFIA  
BULGARIA

NIEMELA VIRPI S DR  
CALLE 51 ESQ 11  
1894 VILLA ELISA BA  
ARGENTINA

NIKITIN A A DR  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.

NIKOLSKY G M PROF DR  
INSTITUTE OF TERRE-  
STRIAL MAGNETISM AND  
IONOSPHERE  
142092 AKADEMGORODOK  
U.S.S.R.

NILSSON CARL DR  
SMITHSONIAN ASTRO-  
PHYSICS OBSERVATORY  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

NISHIDA MINORU PROF  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
KITASHIRAKAWA OTWAKE  
SAKYOKU KYOTO 606  
JAPAN

NISHIMURA TETSUO DR  
STEWART OBS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.

NOBILI A M  
ISTITUTO DI  
MATEMATICA  
VIA BUONARROTTI 2  
I-56100 PISA  
ITALY

NOEL FERNANDO  
DPTO DE ASTRONOMIA  
UNIVERSIDAD DE CHILE  
CASILLA 360  
SANTIAGO  
CHILE

NOLLEZ G DR  
INST D'ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE

NIARCHOS PANAYIOTIS PH D  
DEPT OF ASTRONOMY  
UNIV OF ATHENS  
PANEPISTIMOPOLIS  
ATHENS 621  
GREECE

NICOLAS KENNETH ROBERT  
CODE 4163  
NAVAL RESEARCH LAB  
OVERLOOK AVENUE  
WASHINGTON DC 20375  
U.S.A.

NICOLSON GEORGE D DR  
RADIO ASTRONOMY  
OBSERVATORY  
P O BOX 3718  
JOHANNESBURG 2000  
SOUTH AFRICA

NIEUWENHUIJZEN HANS DR  
ASTRONOMICAL INST  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS

NIKOLOFF IVAN DR  
PERTH OBSERVATORY  
RICKLEY WA 6076  
AUSTRALIA

NIKONOV V B DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.

NININGER H H  
BOX 420  
SEDONA AZ 86336  
U.S.A.

NISHIMURA JUN DR  
INST SPACE AERON SC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO-KU  
TOKYO  
JAPAN

NISSEN POUL E PROF  
INST OF ASTRONOMY  
UNIVERSITY OF AARHUS  
LANGELANDSKADE  
DK-8000 AARHUS C  
DENMARK

NOBILI L DR  
OSS ASTRONOMIC  
VICOLE DELL OSSERVA-  
TORIO  
PADOVA  
ITALY

NOELS ARLETTE DR  
50 AVENUE DE LA PAIX  
BOITE 063  
B-4030 GRIVEGNEE  
BELGIUM

NOMOTO KEN'ICHI DR  
DEPT EARTH SC/ASTRON  
COLLEGE GEN EDUCAT  
UNIVERSITY OF TOKYO  
MEGURO-KU TOKYO 153  
JAPAN

NICHOLLS RALPH W PROF  
GRESS DEPT OF PHYS  
YORK UNIVERSITY  
4700 KEELE ST  
DOWNSVIEW ONT M3J1P3  
CANADA

NICOLET MARCEL PROF  
UNIVERSITE  
DE BRUXELLES  
30 AVE DEN DOORN  
B-1180 BRUXELLES  
BELGIUM

NIELL ARTHUR F DR  
JPL  
FHL-D 430  
4800 OAK GROVE DR  
PASADENA CA 91103  
U.S.A.

NIIMI HIDEYUKI DR  
FACULTY ENGINEERING  
UNIVERSITY OF KYOTO  
YOSHIDAHONMACHI  
SAKYOKU KYOTO 606  
JAPAN

NIKOLOV ANDREJ DR  
P O BOX 402  
1000 SOFIA  
BULGARIA

NILSON PETER DR  
ASTRONOMICAL  
OBSERVATORY  
BOX 515  
S-751 20 UPPSALA  
SWEDEN

NISHI KEIZO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN

NISHIMURA SHIRO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN

NITTMAN JOHANN  
DEPT OF APPLIED  
MATHEMATICAL STUDIES  
UNIVERSITY OF LEEDS  
LEEDS LS2 9JT  
U.K.

NOCI GIANCARLO PROF  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

NOERDLINGER PETER D PROF  
SOLAR ENERGY RES INS  
BUILDINGS SYSTEMS DV  
1617 COLE BLVD  
GOLDEN CO 80401  
U.S.A.

NOONAN THOMAS W PROF  
PHYSICS DEPT  
SUNY  
BROCKPORT NY 14420  
U.S.A.



- NORDH H LENNART DR  
STOCKHOLM  
OBSERVATORY  
S-133 03  
SALTSJOBADEN  
SWEDEN
- NORDLUND AKE DR  
NORDITA  
BLEGDAMSVEJ 17  
DK-2100 COPENHAGEN O  
DENMARK
- NORDSTRJM BIRGITTA DR  
COPENHAGEN  
OBSERVATORY  
BRORFELDE  
DK-4340 TOLLOSE  
DENMARK
- NORMAN COLIN DR  
HUYGENS LAB  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- NORRIS JOHN DR  
MT STROMLO  
OBSERVATORY  
WODEN PO ACT 2606  
AUSTRALIA
- NORRIS RAYMOND PAUL  
UNIV OF MANCHESTER  
NRAL JDDRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.
- NORTH JOHN D PROF  
28 CHALFONT ROAD  
OXFORD  
U.K.
- NOSKOV BORIS N DR  
STERNBERG STATE  
ASTRONOMICAL INST  
117234 MOSCOW  
U.S.S.S.R.
- NOTNI P DR  
ZNRINST ASTROPHYSIK  
STERNW BABELSBERG  
ROSA LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.
- NOTTALE LAURENT  
OBS DE PARIS  
DEPT D\*ASTROPHYSIQUE  
FONDAMENTALE  
F-92190 MEUDON  
FRANCE
- NOTUKI MASAU DR  
4-36-7 NARITAHIGASHI  
SUGINAMI-KU  
TOKYO 166  
JAPAN
- NOVICK ROBERT  
DEPT OF PHYSICS  
COLUMBIA UNIVERSITY  
538 W 120 ST  
NEW YORK NY 10027  
U.S.A.
- NOVIKOV I D DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.S.R.
- NOVIKOV SERGEJ B DR  
STERNBERG STATE  
ASTRONOMICAL INST  
117234 MOSCOW  
U.S.S.S.R.
- NOVOSFLOV V S PROF DR  
LENINGRAD STATE UNI-  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.S.R.
- NOVOTNY VACLAV  
ASTRONOMICAL INST  
CZECH ACADEMY OF SC  
ONDREJOV OBSERVATORY  
25165 ONDREJOV  
CZECHOSLOVAKIA
- NOYES ROBERT W PROF  
CTR F ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- NUNES ROGERIO S DE SOUSA  
GRUPO DE MATEMATICA  
APLICADA  
UNIV DO PORTO  
4000 PORTO  
PORTUGAL
- NUNEZ JORGE DR  
OBSERVATORIO FABRA  
TIBIDAO  
BARCELONA-22  
SPAIN
- NUSSBAUMER HARRY DR  
ATOMIC AND ASTROPHYS  
GROUP ETH  
HUTTENSTR 34  
CH-8092 ZUERICH  
SWITZERLAND
- O\*CONNELL ROBERT F PROF  
LOUISIANA STATE  
UNIVERSITY  
BATON ROUGE LA 70803  
U.S.A.
- O\*CONNELL ROBERT WEST DR  
ASTRO DEPT UNIV VA  
PO BOX 3818 UNIV STA  
CHARLOTTESVILLE  
VA 22903  
U.S.A.
- O\*CONNOR SEAMUS L DR  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
DUBLIN 4  
IRELAND
- O\*DELL STEPHEN L  
PHYSICS DEPT  
V P I AND S U  
BLACKSBURG VA 24061  
U.S.A.
- O\*HANDLEY DOUGLAS A DR  
JET PROPULSION  
LABORATORY  
BLDG 169 422  
PASADENA CA 91103  
U.S.A.
- O\*HORA NATHY P J  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- O\*KEEFE JOHN A DR  
GODDARD SPACE FLIGHT  
CENTER CODE 680  
GREENBELT MD 20771  
U.S.A.
- O\*LEARY BRIAN T  
DEPT OF PHYSICS  
PRINCETON UNIVERSITY  
PRINCETON NJ 08540  
U.S.A.
- O\*MARA BERNARD J PROF  
DEPT OF PHYSICS  
UNIV OF QUEENSLAND  
ST LUCIA  
BRISBANE QLD 4067  
AUSTRALIA
- O\*MONGAIN EON  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND
- O\*SULLIVAN DENIS F  
DUBLIN INSTITUTE FOR  
ADVANCED STUDIES  
5 MERRION SQUARE  
DUBLIN 2  
IRELAND
- O\*SULLIVAN JOHN DAVID DR  
RADIOSTERREWACHT  
POSTBUS 2  
7990 AA OWINGELOO  
THE NETHERLANDS
- OBASHEV SAKEN O DR  
ASTROPHYSICAL  
INSTITUTE  
480008 ALMA-ATA  
U.S.S.S.R.
- OBI SHINYA PROF  
FAC OF GENERAL ED.  
UNIV OF TOKYO  
KOMABA MEGURO  
TOKYO 153  
JAPAN
- OBREGON DIAZ OCTAVIO J DR  
UAM IZTAPALAPA  
PO BOX 55 534  
MEXICO 13 DF  
MEXICO
- OBRIDKO VLADIMIR A DR  
IZMIRAN  
ACADEMGORODOK  
142092 MOSCOW REGION  
U.S.S.S.R.

- OCCHIONERO FRANCO PROF  
CNR ASTROFISICA  
SPAZIALE C P 67  
I-00044 FRASCATI  
ROMA  
ITALY
- OCELL ANDREW P  
DEPT OF PHYSICS &  
ASTRONOMY  
NORTHERN ARIZONA UN  
FLAGSTAFF AZ 86011  
U.S.A.
- OEHMAN YNGVE PROF  
THULEHEM 53  
S-223 67 LUND  
SWEDEN
- OESTERWINTER CLAUS  
COMMANDER  
NAVAL SURFACE WEA-  
PONS CENTER DK 10  
DAHLGREN VA 22448  
U.S.A.
- OGORODNIKOV KYRILL P PROF  
DEPT OF ASTRONOMY  
LENINGRAD UNIVERSITY  
199164 LENINGRAD  
U.S.S.R.
- OHRING GEORGE PROF  
DEPT OF GEOPHYSICS  
PLANETARY SCIENCES  
TEL AVIV  
ISRAEL
- OJA HEIKKI DR  
UNIV OF HELSINKI  
OBS & ASTROPHYS LAB  
TAEHTITOKNINMAEKI  
SF-00130 HELSINKI 13  
FINLAND
- OKAMOTO ISAO DR  
INTERNATIONAL LATITU  
DE OBSERVATORY  
HOSHIGAKKA MIZUSAWA  
IWATE 023  
JAPAN
- OKAZAKI SEICHI DR  
TOKYO ASTRON OBS  
UNIV OF TOKYO  
MITAKA  
TOKYO 181  
JAPAN
- OKOYE SAMUEL E PROF  
DEPT OF PHYSICS  
UNIVERSITY OF  
NIGERIA  
NSUKKA  
NIGERIA
- OLAH KATALIN DR  
KONKOLY JBS  
HUNG ACADEMY OF SC  
BOX 67  
H-1525 BUDAPEST  
HUNGARY
- OLLONGREN A DR  
DEPT OF MATHEMATICS  
WASSENAARSEWEG 80  
POSTBOX 9512  
2300 RA LEIDEN  
THE NETHERLANDS
- OCHSENBEIN FRANCOIS DR  
OBS DE STRASBOURG  
11 RUE DE L'UNIV  
F-67000 STRASBOURG  
FRANCE
- OCELL CHARLES R DR  
DS30 MSFC  
HUNTSVILLE AL 35912  
U.S.A.
- OEMLER AUGUSTUS JR DR  
YALE UNIV OBS  
BOX 2023  
YALE STATION  
NEW HAVEN CT 06520  
U.S.A.
- OESTGAARD ERLEND  
PHYSICAL INSTITUTE  
UNIV OF TRONDHEIM  
NLHT  
N-7000 TRONDHEIM  
NORWAY
- OGURA KATSUO DR  
KOKUGAKUIN UNIV  
CLG OF LITERATURE  
HIGASHI 4-10-29  
SHIBUYAKU TOKYO 150  
JAPAN
- OHTANI HIROSHI DR  
DEPT OF ASTRONOMY  
UNIV OF KYOTO  
KYOTO 606  
JAPAN
- OJA TARMO PROF  
KVISTABERG  
OBSERVATORY  
S-190 51 BRU  
SWEDEN
- OKAMURA SADANORI DR  
KISO BRANCH OF THE  
TOKYO ASTRON OBS  
MITAKEMURA KISOGUN  
NAGANOKEN 397-01  
JAPAN
- OKE J BEVERLY PROF  
HALE OBSERVATORIES  
CALIFORNIA INSTITUTE  
OF TECHNOLOGY  
PASADENA CA 91125  
U.S.A.
- OKUDA HARUYUKI DR PROF  
DEPT OF PHYSICS  
KYOTO UNIVERSITY  
KITASHIRAKAWA SAKYO  
KYOTO 606  
JAPAN
- OLEAK H DR  
ZNRINST ASTROPHYSIK  
STERNW BABELSBERG  
ROSA LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.
- OLOFSSON S GOERAN DR  
STOCKHOLM  
OBSERVATORY  
S-133 00  
SALTSJODERADEN  
SWEDEN
- ODA MINORU PROF  
INST SPACE AERON SC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO KU  
TOKYO 153  
JAPAN
- ODGERS GRAHAM J DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA
- OERGERLE WILLIAM R  
5924 BERWYN ROAD  
COLLEGE PARK MD20740  
U.S.A.
- OETKEN L DR  
ZNRINST ASTROPHYSIK  
ASTROPHY OBSERVATORI  
TELEGRAFENBERG  
DDR-15 POTSDAM  
G.D.R.
- OHKI KENICHIRO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA  
MITAKA TOKYO 181  
JAPAN
- OHYAMA NOBORU PROF  
FAC OF ENGINEERING  
SHIZUOKA UNIVERSITY  
3 CHOME JYOHOKU  
HAMAMATSU 432  
JAPAN
- OKA TAKESHI DR  
CHEMISTRY DEPT  
UNIV OF CHICAGO  
5735 S ELLIS AVE  
CHICAGO IL 60637  
U.S.A.
- OKAZAKI AKIRA DR  
TOKYO ASTRON OBS  
UNIV OF TOKYO  
MITAKA  
TOKYO 181  
JAPAN
- OKI TOSIO PROF DR  
DEPT EARTH SC FAC OF  
EDUC FUKUSHIMA UNIV  
MATSUKAWA MACHI  
FUKUSHIMA 960-12  
JAPAN
- OKUDA TJOZO DR  
S-11-9 HANAZONO  
CHIBA 281  
JAPAN
- OLIVER JOHN PARKER DR  
DEPT PHYSICS ASTRON  
UNIV OF FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- OLSEN ERIK H  
COPENHAGEN  
OBSERVATORY  
BRORFELDE  
DK-4340 TOLLOSE  
DENMARK

- OLSEN KENNETH H DR  
LOS ALAMOS SCIENTIFIC  
LABORATORY  
BOX 1663 MS 676  
LOS ALAMOS NM 87544  
U.S.A.
- OLSON EDWARD C PROF  
OBSERVATORY  
UNIVERSITY OF  
ILLINOIS  
URBANA IL 62801  
U.S.A.
- OLTHOF HINDERICUS DR  
ESA  
8-10 RUE MARIE NIKIS  
F-75738 PARIS 15  
FRANCE
- OMAROV TUKEN R PROF  
ASTROPHYSICAL  
INSTITUTE  
480068 ALMA ATA  
U.S.S.R.
- OMER GUY C JR PROF  
1080 SW 11TH TERRACE  
GAINESVILLE FL 32601  
U.S.A.
- OMNES ROLAND PROF  
LPTHE BAT 211  
UNIVERSITE DE  
PARIS-SJD  
F-91405 ORSAY  
FRANCE
- OMONT ALAIN PROF  
CERMO-USMS  
P B 53 X  
F-38041 GRENOBLE CED  
FRANCE
- ONDERLICKA BEDRICH DR  
DEPT OF ASTRONOMY  
PURKYNE UNIVERSITY  
KOTLARSKA 2  
61137 BRNO  
CZECHOSLOVAKIA
- ONEGINA A B DR  
MAIN ASTRON OBS  
UKRAINIAN AC OF SCS  
GOLDSBEVD  
252127 KIEV  
U.S.S.R.
- ONO YORO PROF  
DEPT OF PHYSICS  
UNIVERSITY HOKKAIDO  
KITAHACHIJYO NISHI 8  
SAPPORO HOKKAIDO 063  
JAPAN
- OOE MASATSUGU DR  
INTERNATIONAL LATITU  
DE OBSERVATORY  
HOSHIGAOKA MIZUSAWA  
IWATE 023  
JAPAN
- OORT JAN H PROF  
PRES KENNEDYLAAN 169  
2343 GZ DEGSTGEEST  
THE NETHERLANDS
- OPALSKI WIESLAW PROF  
ELEKTORALNA 4-6 M4  
00-139 WARSAW  
POLAND
- OPHER REUVEN PROF  
PHYSICS DEPT  
TECHNION-ISRAEL INST  
OF TECHNOLOGY  
HAIFA 32000  
ISRAEL
- OPIK ERNST J DR  
ARMAGH OBSERVATORY  
ARMAGH BT61 9DG  
U.K.
- OPULSKI ANTONI PROF  
ASTRONOMICAL  
OBSERVATORY  
KOPERNIKA 11  
51-622 WRZCLAW  
POLAND
- OPROIU TIBERIU DR  
STR BUCIUM 25 BLOC  
R-5 SC 1 ET 11 AP 10  
3400 CLUJ-NAPOCA  
ROUMANIA
- ORLIN HYMAN DR  
NAT ACADEMY SCIENCES  
2101 CONSTITUTION  
AVE N W  
WASHINGTON DC 20418  
U.S.A.
- ORLOV A A DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- ORLOV MIKHAIL DR  
MAIN ASTRONOMICAL OB  
252127 KIEV  
U.S.S.R.
- ORRALL FRANK O PROF  
INSTITUTE FOR  
ASTRONOMY  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.
- ORTE ALBERTO  
ISTI Y OBSERVATORIO  
DE MARINA  
SAN FERNANDO CADIZ  
SPAIN
- ORTON GLENN S DR  
M S 1838-365  
JPL  
4800 DAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- ORUS JUAN J PROF  
DPTO FIS TIERRA COSM  
UNIVERSIDAD  
DE BARCELONA  
BARCELONA 29  
SPAIN
- OSAKI TORU DR  
RYUKOKU UNIVERSITY  
FUKAKUSA TSUKAMOTO  
FUSHIMIKU KYOTO 612  
JAPAN
- OSAKI YOJI DR  
DEPT OF ASTRONOMY  
UNIV OF TOKYO  
YAYOI BUNKYO  
TOKYO 113  
JAPAN
- OSAWA KIYOTERU DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA  
MITAKA TOKYO 181  
JAPAN
- OSBORN WAYNE DR  
PHYSICS DEPT  
CENTRAL MICHIGAN  
UNIVERSITY  
MT PLEASANT MI 48859  
U.S.A.
- OSBORNE JOHN L DR  
DEPT OF PHYSICS  
UNIV OF DURHAM  
SOUTH ROAD  
DURHAM DH1 3LE  
U.K.
- OSKANYAN V S DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- OSMAN ANAS MOHAMED DR  
HELMAN OBSERVATORY  
HELMAN  
ARAB REP. OF EGYPT
- OSMER PATRICK S DR  
CERRO TOLOLO INTER-  
AMERICAN OBSERVATORY  
CASILLA 63 D  
LA SERENA  
CHILE
- OSORIO JOSE J S P DR  
OBS ASTRONMICO  
UNIV DO PORTO  
MONTE DA VIRGEM  
VILA NOVA DE GAIA  
PORTUGAL
- OSTER LUDWIG F PROF DR  
JILA  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.
- OSTERBROCK DONALD E PROF  
LICK OBSERVATORY  
UNIVERSITY  
OF CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- OSTRIKER JEREMIAH P PROF  
PRINCETON UNIVERSITY  
OBSERVATORY  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.

- OTERMA LIISI PROF  
SIRKKALANKATU 31  
SF-20700 TURKU  
FINLAND
- OTTELET I J DR  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
B-4200 COINTE OUGREE  
BELGIUM
- OVENDEN MICHAEL W PROF  
DEPT OF GEOPHYSICS  
AND ASTRONOMY  
UNIVERSITY OF B C  
VANCOUVER BC V6T 1W5  
CANADA
- OVERBEEK MICHIEL DANIEL  
P O BOX 212  
EDENVALE 1610  
SOUTH AFRICA
- OWAKI NAOAKI DR  
TOKYO GAKUGEI  
UNIVERSITY  
NUKUKITAMACHI  
KOGANEI TOKYO 134  
JAPAN
- OWEN FRAZER NELSON DR  
NATIONAL RADIO ASTR  
OBSERVATORY  
EDGEMONT RD  
CHARLOTTESVL VA22901  
U.S.A.
- OWEN LEIF DR  
FYSISK INSTITUTT  
UNIVERSITETET BERGEN  
ALLEGATEN 53 35  
N-5014 BERGEN U  
NORWAY
- OXENIUS JOACHIM DR  
UNIV LIBRE BRUXELLES  
CP 231  
CAMPUS PLAINE ULB  
B-1050 BRUSSELS  
BELGIUM
- OWEN TOBIAS C PROF  
DEPT OF EARTH AND  
SPACE SCIENCES  
STATE UNIVERSITY NY  
STONY BROOK NY 11794  
U.S.A.
- OZERNOY LEONID M PROF  
PHYSICAL INSTITUTE  
USSR ACADEMIE OF  
SCIENCE  
117924 MOSCOW  
U.S.S.R.
- OZSVATH I PROF  
EARTH AND PLANET SCS  
GRADUATE RES CTR  
P O BOX 30365  
DALLAS TX 75230  
U.S.A.
- OZEMRE KAMURAN DOCENT DR  
UNIVERSITY  
OBSERVATORY  
UNIVERSITE  
ISTANBUL  
TURKEY
- PACHNER JAROSLAV PROF  
390 WOODSWORTH RD 11  
TORONTO ONT M2L 2T9  
CANADA
- PACHOLCZYK ANDRZEJ G PROF  
STEWART OBSERVATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.
- PAAL GYORGY DR  
KONKOLY OBSERVATORY  
BOX 67  
1525 BUDAPEST  
HUNGARY
- PACZYNSKI B PROF  
COPERNICUS ASTRONOMI  
-CAL CENTER  
UL BARTYCKA  
00 716 WARSAW  
POLAND
- PADEFVET VLADIMIR DR  
ASTRONOMICAL INST  
CZECH ACADEMY SC  
251 65 ONDREJOV  
OBSERVATORY  
CZECHOSLOVAKIA
- PACINI FRANCO PROF  
ISTITUTO ASTRONOMIA  
LARGO E FERMI 5  
I-50125 FIRENZE  
ITALY
- PAGE CLIVE G DR  
PHYSICS DEPT  
UNIV OF LEICESTER  
LEICESTER LE1 7RH  
U.K.
- PAGE DON NELSON  
104 DAVEY LABORATORY  
PENNSYLVANIA SU  
UNIVERSITY PARK  
PA 16802  
U.S.A.
- PADRIELLI L  
LAB DI RADIOASTRON  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- PAGEL BERNARD E J PROF  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- PAL ARPAD PROF DR  
STR RAKOCZI 72  
3400 CLJJ NAPOCA  
ROUMANIA
- PALLAVICINI ROBERTO DR  
OBSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY
- PALMEIRA RICARDO A R DR  
INPE CP 515  
12200 SJOSE D CAMPOS  
SAO PAULO  
BRAZIL
- PALMER PATRICK E PROF  
DEPT OF ASTRONOMY  
UNIVERSITY CHICAGO  
1100 E 58TH ST  
CHICAGO IL 60637  
U.S.A.
- PALUMBO GIORGIO G C DR  
TE-S R E LAB CNR  
VIA DE CASTAGNOLI 1  
I-40100 BOLOGNA  
ITALY
- PAMJATNIKHA A A DR  
ASTRONOMICAL COUNCIL  
USSR ACAD OF SCS  
48 PYATNITSKAYA ST  
109017 MOSCOW  
U.S.S.R.
- PAN JUN-HUA  
NANJING ASTRONOMICAL  
INSTRUMENTS FACTOR  
NANJING  
PEOPLE'S REPUBLIC CHINA
- PAN XIAD-PEI  
P.O BOX 19  
LINTONG  
SHAANXI  
PEOPLE'S REPUBLIC CHINA
- PANDE GIRISH CHANDRA PROF  
DEPT OF MECHANICS  
UNIV OF PATRAS  
PATRAS  
GREECE
- PANDE MAHESH CHANDRA DR  
UP STATE OBSERVATORY  
MANORA PEAK  
NAINI TAL 263129  
INDIA
- PANEK ROBERT J DR  
DEPT OF ASTRONOMY  
525 DAVEY LAB  
UNIV OF PENNA  
UNIV PK PA 16802  
U.S.A.
- PANG KEVIN  
JET PROPULSION LAB  
48000 OAK GROVE DR  
PASADENA CA 91109  
U.S.A.

- PANKONIN VERNON LEE DR  
DIV ASTRON SCIENCES  
NAT SCIENCE FOUND  
1800 G ST SW  
WASHINGTON DC 20550  
U.S.A.
- PAOLICCHI PAOLO DR  
OSSERVATORIO ASTRO-  
NOMICO  
MERATE  
MILANO  
ITALY
- PAPALIOIZOU JOHN C B DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- PAPAYANNOPOULOS TH DR  
DEPT OF ASTRONOMY  
UNIV OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 621  
GREECE
- PARESCIE FRANCESCO DR  
SPACE SCIENCES  
LABORATORY  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.
- PARKER EDWARD A DR  
ELECTRONICS  
LABORATORIES  
THE UNIVERSITY  
CANTERBURY CT2 7NT  
U.K.
- PARKINSON JOHN H DR  
MULLARD SPACE SC LAB  
UNIV COLLEGE LONDON  
HOLMBURY ST MARY  
DORKING SURREY RH56NS  
U.K.
- PARMA PAOLA  
ISTITUTO DI  
RADIOASTRONOMIA CNR  
VIA IRNERIO 45  
I-40126 BOLOGNA  
ITALY
- PARSONS SIDNEY B DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- PASACHOFF JAY M PROF  
WILLIAMS COLLEGE  
HOPKINS OBSERVATORY  
WILLIAMSTOWN MA 01267  
U.S.A.
- PASINETTI LAURA E PROF  
OSSERVATORIO DI  
MILANO MERATE  
VIA E BIANCHI 46  
I-22055 MERATE  
ITALY
- PATERNO LUCIO DR  
OSSERVATORIO  
ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY
- PANNUNZIO RENATO  
ASTRON OBS OF TURIN  
STRADA OSS 20  
I-10025 PINO  
TORINESE  
ITALY
- PAPAGIANNIS MICHAEL D PRO  
DEPT OF ASTRONOMY  
BOSTON UNIVERSITY  
725 COMMONWEALTH AVE  
BOSTON MA 02215  
U.S.A.
- PAPARO MARGIT DR  
KONKOLY OBSERVATORY  
HUNG ACADEMY JF SC  
BOX 57  
H-1525 BUDAPEST  
HUNGARY
- PAQUET PAUL EG DR  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
AVE CIRCULAIRE 3  
B-1180 BRUXELLES  
BELGIUM
- PARIJSKIJ N N DR  
INSTITUTE OF PHYSICS  
OF THE EARTH  
USSR ACAD OF SCI  
123810 MOSCOW  
U.S.S.R.
- PARKER EUGENE N  
LAB ASTROPHYS SP RES  
UNIV OF CHICAGO  
933 E 56TH ST  
CHICAGO IL 60637  
U.S.A.
- PARKINSON T DR  
KITT PEAK NAT OBS  
950 N CHERRY AVE  
TUCSON AZ 85726  
U.S.A.
- PARRISH ALLAN DR  
STATE UNIV OF N.YORK  
C/O 6191 GRC U MASS.  
AMHERST MA 01003  
U.S.A.
- PARTHASARATHY M DR  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- PASCUAL ANTONIO J B SCI  
OBS ASTRONOMICCO  
PROF MANUEL D BARROS  
MONTE DA VIRGEM  
VILA NOVA DE GAIA  
PORTUGAL
- PASTORI LIVIO  
OSS ASTRONOMICCO  
DI MERATE  
VIA BIANCHI 46  
I-22055 MERATE  
ITALY
- PATERSON-BEECKMANS F  
VINCENT V GOSHLN 19  
2343 RH OEGSTREEST  
THE NETHERLANDS
- PANOV K DR  
DEPT OF ASTRONOMY  
BULGARIAN AC OF SCS  
7TH NOVEMBER ST 1  
1000 SOFIA  
BULGARIA
- PAPALIOIIDS C DR  
SMITHSONIAN ASTRO-  
PHYSICAL OBS  
CAMBRIDGE MA 02138  
U.S.A.
- PAPATHAVASOGLIOU D DR  
DEPT OF ASTRONOMY  
UNIV OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 521  
GREECE
- PARCELIER PIERRE DR  
OBSERVATOIRE  
DE PARIS  
61 AV L OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- PARIJSKIJ YU N DR  
SPECIAL ASTROPHYS-  
OBS USSR ACAD OF SCI  
LENINGRAD BRANCH  
196140 LENINGRAD  
U.S.S.R.
- PARKER ROBERT A R  
CODE CB  
NASA-JSC  
HOUSTON TX 77058  
U.S.A.
- PARKINSON WILLIAM H  
HARVARD COLLEGE  
OBSERVATORY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- PARSAMYAN E S DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- PARTRIDGE ROBERT B PROF  
HAVERFORD COLLEGE  
HAVERFORD PA 19041  
U.S.A.
- PASCU DAN DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- PASTORIZA MIRIANI G DR  
INSTITUTO DE FISICA  
UNIVERSIDADE FEDERAL  
DO RIO GRANDE DO SUL  
90000 PORTO ALEGRE  
BRAZIL
- PATHRIA RAJ K PROF  
DEPT OF PHYSICS  
UNIVERSITY WATERLOO  
WATERLOO ONT N2L 3G1  
CANADA

- PATKOS LASZLO DR  
KONKOLY OBSERVATORY  
HUNG ACADEMY OF SC  
BOX 67  
H-1525 BUDAPEST  
HUNGARY
- PAULS THOMAS ALBERT DR  
ERSTES PHYS INST  
UNIV KOELN  
UNIVERSITAETS STR 14  
D-5000 KOELN 41  
GERMANY, F.R.
- PAXTON HAROLD J B R  
ROYAL GREENWICH OBS  
HERSTMUNCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- PEALE STANTON J PROF  
DEPT OF PHYSICS  
UNIVERSITY OF  
CALIFORNIA  
SN BARBARA CA 93106  
U.S.A.
- PECKER J C PROF  
LAT  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- PEDERSEN OLAF PROF  
HISTORY SCIENCE DEPT  
UNIVERSITY OF AARHUS  
NY MUNKEGADE  
DK-8000 AARHUS C  
DENMARK
- PEEBLES P JAMES E  
JOSEPH HENRY LABS  
JADWIN HALL  
PRINCETON NJ 08540  
U.S.A.
- PEKERIS CHAIM LEIB PROF  
DEPT APPLIED MATHS  
WEIZMANN INSTITUTE  
OF SCIENCE  
REHOVOT  
ISRAEL
- PELLAS PAUL DR  
61 RUE BUFFON  
F-75005 PARIS  
FRANCE
- PELTIER LESLIE C  
327 S BREDEICK ST  
DELPHOS OH 45833  
U.S.A.
- PENSTON MICHAEL V DR  
ROYAL GREENWICH OBS  
HAILSHAM  
SUSSEX BN27 1RP  
U.K.
- PERAIAH ANNAMANANI DR  
INDIAN INSTITJTTE OF  
ASTROPHYSICS  
BANGALORE 560034  
INDIA
- PATRIARCHI PATRIZIO  
OSS ASTROFISICO DI  
ARCETRI  
LARGO ENRICO FERMI 5  
I-50125 FIRENZE  
ITALY
- PAVLOV NIKOLAJ N PROF DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- PEACH G DR  
DEPT PHYSICS ASTRO  
UNIVERSITY COLLEGE  
GOWER STREET  
LONDON WC1E 6BT  
U.K.
- PEARSE REGINALD W B DR  
60 GREENLANDS ROAD  
STAINES MDX TW18 4LR  
U.K.
- PEDERSEN B DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- PEDLAR ALAN DR  
NRAL  
JODRELL BANK  
CHESHIRE SK11 9DL  
U.K.
- PEERY BENJAMIN F PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
HOWARD UNIVERSITY  
WASHINGTON DC 20059  
U.S.A.
- PEKUENLUE E RENNAN DR  
EGE UNIVERSITY  
FACULTY OF SCIENCE  
BORNOVA-IZMIR  
TURKEY
- PELLET ANDRE  
OBS DE MARSEILLE  
2 PLACE LE VERRIER  
F-13248 MARSEILLE C4  
FRANCE
- PENNY ALAN JOHN DR  
ROYAL GREENWICH OBS  
HERSTMUNCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- PENZIAS ARNO A DR  
BELL LABORATORIES  
BOX 400  
HOLMDEL NJ 07733  
U.S.A.
- PERCY JOHN R PROF  
ERINDALE COLLEGE  
MISSISSAUGA  
ONT L5L 1C6  
CANADA
- PAULINY TOTI IVAN K K DR  
MPI FUER RADIOASTRO-  
NOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- PAVLOVSKAYA E D DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- PEACH JOHN V DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RQ  
U.K.
- PEAT D W DR  
COLLEGE OF RIPON  
YORK ST JOHN  
LORD MAYORS WALK  
YORK YO3 7EX  
U.K.
- PEDERSEN HOLGER DR  
E S O  
CASTILLA 16317  
SANTIAGO 9  
CHILE
- PEDOUSSAUT ANDRE  
OBS DE TOULOUSE  
1 AVE FLAMMARION  
F-31500 TOULOUSE  
FRANCE
- PEIMBERT MANUEL DR  
INST DE ASTRONOMIA  
APDO POSTAL 70264  
04510 MEXICO DF  
MEXICO
- PEL J W DR  
KAPTEIJN STERREWACHT  
MENSINGHEWEG 20  
9301 KA RODEN  
THE NETHERLANDS
- PELSENEER JEAN KON PROF  
UNIV LIBRE DE BRUX  
76 AV DES GRENADIERS  
BOX 6  
B-1150 BRUSSELS  
BELGIUM
- PENSADO J DR  
OBSERVATORIO  
ASTRONOMICO  
ALFONSO XII 5  
MADRID 7  
SPAIN
- PEQUIGNOT DANTEL  
OBS DE PARIS  
DEPT D'ASTROPHYSIQUE  
FONDAMENTALE  
F-92190 MEUDON  
FRANCE
- PERDANG JEAN M DR  
INSTITUT  
D'ASTROPHYSIQUE  
B-4200 COINTE-BOUGREE  
BELGIUM

- PEREK LUBOS DR  
ASTRONOMICAL INST  
CZECHOSLOVAK AC SCS  
BUDEČSKA 6 VINOHRADY  
120 23 PRAHA 2  
CZECHOSLOVAKIA
- PERINOTTI MARIO DR  
OBSERVATORIO ASTRON-  
FISICO ARCETRI  
I-50125 FIRENZE  
ITALY
- PEROLA S C DR  
ISTITUTO ASTRONMICO  
C/O IST DI FISICA NE  
P LE A MURD 2  
I-00185 ROMA  
ITALY
- PERRY JUDITH J DR  
C/O DR M SOHNUS  
310 WESTBOURNE PARK  
AVENUE  
LONDON W11  
U.K.
- PESCH PETER DR  
WARNER AND SWASEY  
OBSERVATORY  
CASE WESTERN RES UN  
CLEVELAND OH 44106  
U.S.A.
- PETERSEN J O DR  
UNIV OBSERVATORY  
ØSTER VØLGADE 3  
DK-1350 COPENHAGEN K  
DENMARK
- PETERSON CHARLES JOHN DR  
DEPT OF PHYSICS  
223 PHYSICS BLDG  
UNIV OF MISSOURI  
COLUMBIA MO 65211  
U.S.A.
- PETFORD A DAVID DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RQ  
U.K.
- PETRINI DANIEL DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- PETROU M DR  
DEPT OF ASTRONOMY  
UNIV OF ATHENS  
PANEPISTIMOPOLIS  
ATHENS 621  
GREECE
- PETROV GEORGY TRENDAFILOV  
DEPT OF ASTRONOMY  
BULGARIAN ACADEMY SC  
72 LENIN BLVD  
1184 SOFIA  
BULGARIA
- PETTENGILL GORDON H PROF  
RM 54-620  
MASS INSTITUTE OF  
TECHNOLOGY  
CAMBRIDGE MA 02139  
U.S.A.
- PEREZ PERAZA JORGE DR  
INST DE GEOFISICA  
UNAM 04510 DELEGA-  
CION COYOACAN C U  
MEXICO 20 D F  
MEXICO
- PERKINS FRANCIS W DR  
PLASMA PHYSICS  
LABORATORY  
P O BOX 451  
PRINCETON NJ 08540  
U.S.A.
- PERRIN MARIE-NOËL DR  
OBSERVATOIRE  
DE PARIS  
61 AVE OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- PERSI PAOLO  
ISTITUTO ASTROFISICA  
SPAZIALE  
CASSELLA POSTALE 57  
I-00044 FRASCATI  
ITALY
- PETERS GERALDINE JOAN DR  
DEPT OF ASTRONOMY  
UNIV SOUTHERN CALIF  
UNIVERSITY PARK  
LOS ANGELES CA 90007  
U.S.A.
- PETERSON BRADLEY MICHAEL  
DEPT OF ASTRONOMY  
OHIO STATE UNIV  
174 W 18TH AVENUE  
COLUMBUS OH 43210  
U.S.A.
- PETERSON LAURENCE E PROF  
DEPT OF PHYSICS 0011  
UNIVERSITY OF CALIF-  
AT SAN DIEGO  
LA JOLLA CA 92093  
U.S.A.
- PETON ALAIN DR  
OBS DE MARSEILLE  
2 PLACE LE VERRIER  
F-13248 MARSEILLE C4  
FRANCE
- PETROPOULOS BASIL CH DR  
RES CTR ASTR AP MAT  
ACADEMY OF ATHENS  
14 ANAGNOSTOPOULOU  
ATHENS 136  
GREECE
- PETROV G I PROF DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.
- PETROV NIKOLAI  
ASTRONOMICAL OBS  
VARNA  
BULGARIA
- PETTERSEN BJERN RAGNVALD  
INST MATH & PHYS SC  
UNIV OF TROMSØE  
P O BOX 953  
N-9001 TROMSØE  
NORWAY
- PEREZ-DE-TEJADA H A DR  
INST DE ASTRONOMIA  
UNAM  
AV GASTELUM ENSENADA  
BAJA CALIFORNIA  
MEXICO
- PERLEY RICHARD ALAN  
NRAD VLA PROGRAM  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.
- PERRY CHARLES L DR  
DEPT OF PHYS/ASTRON  
LOUISIANA STATE UNIV  
BATON ROUGE LA 70803  
U.S.A.
- PERSIDES SOTIRIOS C  
ASST PROF  
DEPT OF ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE
- PETERS WILLIAM L III DR  
ASTRONOMY DEPT  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- PETERSON BRUCE A DR  
MT STROMLO & SIDING  
SPRING BBS  
AUSTRALIAN NAT UN  
WOODEN ACT 2606  
AUSTRALIA
- PETERSON RUTH CAROL DR  
607 MARION PLACE  
PALO ALTO CA 94301  
U.S.A.
- PETRI WINFRIED PROF DR  
UNTERLEITEN 2  
POSTFACH 106  
8162 SCHLIERSEE ORB  
GERMANY, F.R.
- PETROSIAN VAHE PROF  
INSTITUTE FOR PLASMA  
RESEARCH  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.
- PETROV G M DR  
NIKOLAEV DEPT OF THE  
MAIN ASTRONOMICAL  
OBSERVATORY  
327000 NIKOLAEV  
U.S.S.R.
- PETROVSKAYA M S DR  
INSTITUTE OF THEORE-  
TICAL ASTRONOMY  
192187 LENINGRAD  
U.S.S.R.
- PETTINI MAX  
15 CHRISTIE AVE  
RINGMER  
EAST SUSSEX BN8 5JT  
U.K.

- PEYTRMANN ERIC DR  
50 WATTEN VIEW  
SINGAPORE 1128  
SINGAPORE
- PEYRURAU ROGER H PROF  
INST D ASTROPHYSIQUE  
98B BLVD ARAGO  
F-75014 PARIS  
FRANCE
- PFENNIG HANS H DR  
MPI F PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- PHAM-VAN J MME  
CERGA  
AVENUE CJPERNIC  
F-06130 GRASSE  
FRANCE
- PHILLIPS JOHN G PROF  
ASTRONOMY DEPT  
UNIV OF CALIFORNIA  
601 CAMPBELL HALL  
BERKELEY CA 94720  
U.S.A.
- PICAT J P DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- PIDDINGTON JACK H RES FEL  
NATIONAL MEASUREMENT  
LABORATORY P O B 218  
LINDFIELD  
SYDNEY 2070  
AUSTRALIA
- PIIROLA VILPPU E DR  
OBSERVATORY  
TAHTITORINMAKI  
SF-00130 HELSINKI 13  
FINLAND
- PILCHER CARL BERNARD DR  
INST FOR ASTRONOMY  
UNIV OF HAWAII  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.
- PINEAULT SERGE DR  
DOMINION RADIO  
ASTROPHYSICAL OBS  
BOX 248  
PENTICTON BC V2A6K3  
CANADA
- PINIGIN GENNADIJ I DR  
MAIN ASTRONOMICAL OB  
USSR ACAD OF SCS  
PULKOVU M-140  
196140 LENINGRAD  
U.S.S.R.
- PINTO GIROLAMO PROF  
OSSERVATORIO  
ASTRONOMICO  
I-35100 PADOVA  
ITALY
- PIRRONELLO VALERIO  
OSS ASTROFISICO  
CITTA UNIVERSITARIA  
F-95125 CATANIA  
ITALY
- PFLIEDERER JORG PROF  
INST F ASTRONOMIE  
UNIVERSITAETSSTR 4  
A-6020 INNSBRUCK  
AUSTRIA
- PHILIP A G DAVIS  
1125 OXFORD PLACE  
SCHENECTADY NY 12308  
U.S.A.
- PHILLIPS KENNETH J H  
SPACE & ASTROPH DIV  
RUTHERFORD APPLETON  
LAB CHILTON  
DIOCOT OXON OX11 0QX  
U.K.
- PICCIONI ADALBERTO  
ISTITUTO ASTRONOMIC  
UNIVERSITARIO  
CASELLA POSTALE 596  
I-40100 BOLOGNA  
ITALY
- PIERCE A KEITH DR  
KITT PEAK NATIONAL  
OBSERVATORY  
PO 26732  
TUCSON AZ 85726  
U.S.A.
- PIKE CHRISTOPHER DAVID  
ROYAL GREENWICH OBS  
HERSTMONCEUX CASTLE  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- PILKINGTON JOHN D H DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- PINES DAVID PROF  
DEPT OF PHYSICS  
UNIVERSITY ILLINOIS  
URBANA IL 61801  
U.S.A.
- PINKAU K PROF  
MPI FUER EXTRATERRE  
STRISCHE PHYSIK  
D-8046 GARCHING  
GERMANY, F.R.
- PIOTROWSKI STEFAN PROF  
OBSERVATORIU  
ASTRONOMICZNE UW  
AL UJAZDOWSKIE 4  
00478 WARSZAWA  
POLAND
- PISMIS DE RECILLAS PARIS  
PROF  
INST DE ASTRONOMIA  
APDO POSTAL 70264  
04510 MEXICO DF  
MEXICO
- PFEIFFER RAYMOND J  
8 BARBARA LANE  
TITUSVILLE NJ 08560  
U.S.A.
- PFLUG KLAUS DR  
ZENTRALINSTITUT FUER  
SOLARTERR PHYSIK  
DDR-15 POTSDAM-  
TELEGRAFENBERG  
G.D.R.
- PHILLIPS ANTHONY PAUL  
DEPT PHYS & ASTRON  
UNIV COL LONDON  
GOWER STREET  
LONDON WC1E 6BT  
U.K.
- PHILLIPS THOMAS GOULD DR  
CALTECH  
320-47  
PASADENA CA 91125  
U.S.A.
- PICK MONIQUE DR  
DASOP  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- PIERCE DAVID ALLEN  
PHYSICAL SCS DIV  
EL CAMINO COLLEGE  
TORRANCE CA 90506  
U.S.A.
- PILACHOWSKI CATHERINE DR  
ASTRONOMY DEPT FM-20  
UNIV OF WASHINGTON  
SEATTLE WA 98195  
U.S.A.
- PILOWSKI K PROF DR  
GEODAESISCHES INST  
TECHN UNIVERSITAET  
NIENBURGER STR 1  
D-3000 HANNOVER  
GERMANY, F.R.
- PINGREE DAVID PROF  
BROWN UNIV  
PROVIDENCE RI 02912  
U.S.A.
- PINOTSIS A D DR  
DEPT OF ASTRONOMY  
UNIV OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 621  
GREECE
- PIPHER JUDITH L  
PHYSICS AND ASTRONO-  
MY DEPT  
UNIV OF ROCHESTER  
ROCHESTER NY 14627  
U.S.A.
- PITTICH EDUARD M DR  
ASTRONOMICAL INSTI-  
TUTE SAV  
DUBRAVSKA CESTA A 11  
89930 BRATISLAVA  
CZECHOSLOVAKIA



PITZ ECKHART DR  
MPI-ASTRONOMY  
KOENIGSTUHL  
D-6900 HEIDELBERG  
GERMANY, F.R.

PLAKIDIS STAVROS PROF  
EVRYTANIAS 16  
KATO HALANDRI  
ATHENS  
GREECE

PLAVCOVA Z DR  
DEPT OF ASTRONOMY  
UCLA  
405 HILGARD AVE  
LOS ANGELES CA 90024  
U.S.A.

PODOBED V V DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
11734 MOSCOW  
U.S.S.R.

POGO ALEXANDER DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.

POLCARO V F  
IST DI ASTROFISICA  
SPAZIALE  
CASELLA POSTALE 67  
I-00044 FRASCATI  
ITALY

POLLACK JAMES B DR  
SPACE SC DIV MP245-3  
NASA AMES RES CTR  
MOFFETT FIELD  
CA 94035  
U.S.A.

POLUPAN P N DR  
KIEV STATE UNIVERSI-  
TY ASTRONOMICAL OB-  
SERVATORY  
252053 KIEV  
U.S.S.R.

POOLLEY GUY DR  
CAVENDISH LABORATORY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.

POPOV N A DR  
GRAVIMETRICAL OBSER-  
VATORY OF UKRAINIAN  
ACADEMY OF SCIENCES  
314029 POLTAVA  
U.S.S.R.

POPOVA MALINA D DR  
DEPT OF ASTRONOMY  
BULGARIAN ACAD SCI  
7 NOVEMBER 1  
SOFIA 1000  
BULGARIA

POPPER DANIEL M PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
CALIFORNIA  
LOS ANGELES CA 90024  
U.S.A.

PIZZELLA G DR  
IST DI FISICA  
G MARCONI  
UNIVERSITA DI ROMA  
ROMA  
ITALY

PLASSARD J DR  
KSARA OBSERVATORY  
KSARA  
LEBANON

PLAVEC MIROSLAV PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
CALIFORNIA MS 8979  
LOS ANGELES CA 90024  
U.S.A.

POECKERT R H DR  
2658 AVEBURY AVENUE  
VICTORIA BC V8R 3W2  
CANADA

POHL ECKHARD DR  
STERNWARTE NUERNBERG  
LUETZOWSTR 10  
D-8500 NUERNBERG  
GERMANY, F.R.

POLETTI GIANNINA PROF  
OSSERVATORIO ARCE TRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY

POLNITZKY GERHARD DR  
INST FUER ASTRONOMIE  
UNIV WIEN  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA

POMA ANGELO DR  
INT ASTRONOMICAL  
STATION  
CARLOFORTE  
CAGLIARI  
ITALY

POPE JOHN D  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

POPOV VASIL NIKOLOV  
DEPT OF ASTRONOMY  
BULGARIAN ACADEMY SC  
72 LENIN BLVD  
1184 SOFIA  
BULGARIA

POPOVIC BOZIDAR PROF DR  
OGNJENA PRICE 90  
11000 BEOGRAD  
YUGOSLAVIA

PORCAS RICHARD DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

PIZZICHINI GRAZIELLA  
ISTITUTO TESRE/CNR  
VIA DE CASTAGNOLI 1  
I-40126 BOLOGNA  
ITALY

PLAUT LUCAS PROF  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 RV GRONINGEN  
THE NETHERLANDS

PNEUMAN GERALD W  
HIGH ALTITUDE  
OBSERVATORY  
BOULDER CO 80302  
U.S.A.

POEPEL WOLFGANG G L DR  
INSTITUTO ARGENTINO  
DE RADIOASTRONOMIA  
CASILLA DE CORREO 5  
1894 VILLA ELISA BA  
ARGENTINA

POLAND ARTHUR I DR  
NASA GSFC  
CODE 682  
GREENBELT MD 20771  
U.S.A.

POLIDAN RONALD S  
PRINCETON UNIV OBS  
PEYTON HALL  
PRINCETON NJ 08544  
U.S.A.

POLOZHENTSEV DIMITRIJ DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

PONSONBY JOHN E B DR  
NRAL  
JODRELL BANK  
CHESHIRE SK11 9DL  
U.K.

POPELAR J DR  
GRAVITY AND GEOD DIV  
EARTH PHYSICS BRANCH  
3 OBSERVATORY CRESC  
OTTAWA ONT KIA 0E4  
CANADA

POPOV VICTOR S DR  
MAIN ASTRONOMICAL OB  
USSR ACAD OF SCS  
PULKOVO M-140  
196140 LENINGRAD  
U.S.S.R.

POPOVIC GEORGIJE DR  
ASTRONOMICAL OBS  
VOLGINA 7  
11050 BEOGRAD  
YUGOSLAVIA

PORFIR EV V V DR  
KRUPSKAJA PEDAGOGIC  
INSTITUTE  
107946 MOSCOW  
U.S.S.R.

PORTER NEIL A PROF  
PHYSICS DEPT  
UNIVERSITY COLLEGE  
BELFIELD  
DUBLIN 4  
IRELAND

POTTER HEINZ I DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.

POUMEYROL FERNAND MR  
OBSERVATOIRE  
DE BORDEAUX  
F-33270 FLOIRAC  
FRANCE

POVEDA ARCADIO DR  
INST DE ASTRONOMIA  
UNIV NAC AUTQ DE MEX  
APDO POSTAL 70-264  
04510 MEXICO DF  
MEXICO

PRADERIE F DR  
DESPA  
OBSERVATOIRE MEUDON  
F-92190 MEUDON  
FRANCE

PREITE-MARTINEZ ANDREA DR  
LABORATORIO DI  
ASTROFISICA SPAZIALE  
CP 67  
I-00044 FRASCATI  
ITALY

PRESS WILLIAM H DR  
HARVARD COLLEGE OBS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

PREUSS EUGEN DR  
MPI FUER RADIO-  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN 1  
GERMANY, F.R.

PRICE MICHAEL J. DR.  
SCIENCE APPLICATIONS  
5055 E BROADWAY  
SUITE A-214  
TUCSON AZ 85711  
U.S.A.

PRIEST E R DR  
APPLIED MATHS DEPT  
THE UNIVERSITY  
ST ANDREWS FIFE  
KY16 9SS  
U.K.

PRINGLE JAMES E DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.

PROCHAZKA FRANZ V DR  
UNIVERSITAETS-  
STERNWART  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA

PORUBCAN VLADIMIR DR  
ASTRONOMICAL INSTI-  
TUTE SAV  
DUBRAVSKA CESTA A 11  
89930 BRATISLAVA  
CZECHOSLOVAKIA

POULAKOS CONSTANTINE DR  
RESEARCH CTR ASTRONO  
MY AND APPLIED MATHS  
ACADEMY OF ATHENS  
ATHENS 136  
GREECE

POUNDS KENNETH A PROF  
DEPT OF PHYSICS  
UNIVERSITY  
LEICESTER LE1 7RH  
U.K.

POYET J P DR  
OBS DE TOULOUSE  
1 AV C FLAMMARION  
F-31500 TOULOUSE  
FRANCE

PRADHAN DR  
NIZAMIAH OBS  
HYDERABAD  
INDIA

PRENDERGAST KEVIN H PROF  
DEPT OF ASTRONOMY  
COLUMBIA UNIVERSITY  
538 W 120 ST  
NEW YORK NY 10027  
U.S.A.

PRESTON GEORGE W DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.

PREVOT BURNICHON MARIE  
LOUISE DR  
OBS DE MARSEILLE  
2 PLACE LE VERRIER  
F-13249 MARSEILLE C4  
FRANCE

PRICE R MARCUS DR  
CHAIRMAN DEPT OF  
PHYSICS AND ASTRON  
UNIV OF NEW MEXICO  
ALBUQUERQUE NM 87131  
U.S.A.

PRIESTER WOLFGANG PROF  
INST F ASTROPHYSIK  
AUF DEM HUEGEL 71  
D-5300 BONN  
GERMANY, F.R.

PRITCHET CHRISTOPHER J DR  
DEPT GEOPHYS ASTRON  
UNIVERSITY OF B C  
VANCOUVER BC V6T 1W5  
CANADA

PRODAN Y I DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.

POTTASCH STUART R PROF  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS

POULLE EMMANUEL PROF  
ECOLE NATIONALE DES  
CHARTES  
19 RUE SORBONNE  
F-75005 PARIS  
FRANCE

POUQUET A DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE

PRABHU TUSHAR P  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA

PRATAP R DR  
PHYSICAL RESEARCH  
LABORATORY  
NAVHANGPURA  
AHMEDABAD 380009  
INDIA

PRENTICE ANDREW J R DR  
DEPT OF MATHEMATICS  
MONASH UNIVERSITY  
CLAYTON VICT 3168  
AUSTRALIA

PRESTON ROBERT ARTHUR  
264-720 JET PROPUL-  
SION LAB  
PASADENA CA 91109  
U.S.A.

PREVOT LOUIS DR  
OBSERVATOIRE DE  
MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE

PRICE STEPHEN DONALD  
2 POLLEY ROAD  
WESTFORD MA 01886  
U.S.A.

PRINCE HELEN DODSON PROF  
4800 FILLMORE AVE  
ALEXANDRIA VA 22311  
U.S.A.

PROBSTEIN R F DR  
DEPT OF MECHANICAL  
ENGINEERING  
MIT  
CAMBRIDGE MA 02139  
U.S.A.

PROISY PAUL E DR  
OBSERVATOIRE DE LYON  
F-69230 ST GENIS  
LAVAL  
FRANCE

- PROKAKIS THEODORE J DR  
OBSERVATOIRE  
D ATHENES  
ATHENS 306  
GREECE
- PROKOF\*EVA VALENTINA V DR  
CRIMEAN ASTROPHYS OBS  
NAUCHNYJ  
334413 CRIMEA  
U.S.S.R.
- PROTHEROE WILLIAM M PROF  
DEPT OF ASTRONOMY  
OHIO STATE UNIV  
174 W 18TH AVE  
COLUMBUS OH 43210  
U.S.A.
- PROVOST J DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- PSKOVSKIY JU P DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- PUNETHA LALIT MOHAN DR  
UP STATE OBSERVATORY  
MANORA PEAK  
NAINI TAL 263129  
INDIA
- PUSCHELL JEFFREY JOHN  
UNIV OF CALIFORNIA  
CASS C-011  
LA JOLLA CA 92093  
U.S.A.
- PYPER D M DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
TEL-AVIV UNIVERSITY  
TEL-AVIV  
ISRAEL
- QUAST G R  
OBS NACIONAL  
R GENERAL BRUCE 586  
SAO CRISTOVAO  
20000 RIO DE JANEIRO  
BRAZIL
- QUERCI MONIQUE DR  
OBS DU PIC-DU-MIDI  
ET DE TOULOUSE  
14 AV EDUARD BELIN  
F-31400 TOULOUSE  
FRANCE
- QUINTANA JOSE M DR  
INSTITUTO DE ASTROFI-  
SICA DE ANDALUCIA  
GRANADA  
SPAIN
- RAADU MICHAEL A DR  
DEPT PLASMA PHYSICS  
ROYAL INSTITUTE OF  
TECHNOLOGY  
S-10044 STOCKHOLM 70  
SWEDEN
- PROKOF\*EV VLADIMIR K PROF  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY  
PO NAUCHNY  
334413 CRIMEA  
U.S.S.R.
- PRONIK I I DR  
CRIMEAN ASTROPHY OBS  
ACAD SCIENCES USSR  
334413 P O NAUCHNY  
CRIMEA  
U.S.S.R.
- PROTICH MILORAD B  
ASTRONOMICAL OBSERVA-  
TORY OF BELGRADE  
VOLGINA 7  
11050 BELGRADE  
YUGOSLAVIA
- PRYCE MAURICE H L DR  
DEPT OF PHYSICS  
UNIVERSITY OF BC  
2075 WESBROOK MALL  
VANCOUVER BC V6T 1W5  
CANADA
- PUCILLO MAURO DR  
OSSERVATORIO  
ASTRONOMICO  
VIA TIEPOLO 11  
I-34131 TRIESTE  
ITALY
- PURGATHOFER ALOIS PROF DR  
INST FUER ASTRONOMIE  
UNIV WIEN  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- PUSHKIN SERGEY B DR  
TIME AN FREQUENCY  
SERVICE  
GOSSTANDARD USSR  
117049 MOSCOW  
U.S.S.R.
- QIAN SHAN-JIE  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- QUENBY JOHN J DR  
BLACKETT LAB  
IMPERIAL COLLEGE  
PRINCE CONSORT ROAD  
LONDON SW7 2BZ  
U.K.
- QUIJANO LUIS  
INSTITUTO Y OBSERVA-  
TORIO DE MARINA  
SAN FERNANDO CADIZ  
SPAIN
- QUIRK WILLIAM J DR  
2479B JO MARY CT  
HAYWARD CA 94541  
U.S.A.
- RACHKOVSKY O N DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- PROKOF\*EVA IRINA A DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- PRONIK V I DR  
CRIMEAN ASTROPHY OBS  
ACAD SCIENCES USSR  
334413 P O NAUCHNY  
CRIMEA  
U.S.S.R.
- PROVERBIO EDOARDO PROF  
IST DI ASTRONOMIA  
VIA OSPEDALE 72  
I-09100 CAGLIARI  
ITALY
- PRZYBYLSKI ANTONI DR  
MOUNT STROMLO  
OBSERVATORY  
WODEN A C T 2606  
AUSTRALIA
- PUGET JEAN-LOUP DR  
INSTITUT  
D ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- PURTON CHRISTOPHER R DR  
DOMINION RADIO ASTRO  
PHYS OBS NRCC  
P O BOX 249  
PENTICTON BC V2A 6K3  
CANADA
- PYE JOHN P DR  
8 BEAUMONT WALK  
LEICESTER LE4 0PQ  
U.K.
- QU QIN-YUE  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- QUERCI FRANCOIS R DR  
OBS DU PIC-DU-MIDI  
ET DE TOULOUSE  
14 AV EDUARD BELIN  
F-31400 TOULOUSE  
FRANCE
- QUINTANA HERNAN DR  
ASTRONOMY DEPT  
UNIVERSITY CATOLICA  
CASILLA 114-D  
SANTIAGO  
CHILE
- QVIST BERTIL PROF  
MATHEMATICS DEPT  
ABO AKADEMI  
SF-20500 ABO 50  
FINLAND
- RACINE RENE DR  
DEPT DE PHYSIQUE  
UNIVERSITE DE  
MONTREAL BP 6128  
MONTREAL PQ H3C 3J7  
CANADA

- RACKHAM THOMAS W DR  
JODRELL BANK  
CHESHIRE SK 11 9PL  
U.K.
- RADOSLAVOVA TZVETANA  
DEPT OF ASTRONOMY  
BULGARIAN ACADEMY SC  
72 LENIN BLVD  
1184 SOFIA  
BULGARIA
- RAFERT JAMES BRUCE  
DEPT PHYSICS/ASTRON  
APPELLACHIAN ST UNIV  
BOONE NC 28608  
U.S.A.
- RAIKOVA DONKA DR  
DEPT OF ASTRONOMY  
BULGARIAN AC OF SCS  
7TH NOVEMBER ST 1  
1000 SOFIA  
BULGARIA
- RAJAMOHAN R DR  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- RAKAVY GIDEON PROF  
HEBREW UNIVERSITY  
EINSTEIN INST PHYS  
JERUSALEM  
ISRAEL
- RAMADURAI S DR  
TATA INST FUND RES  
HOMI BHABHA ROAD  
BOMBAY 400 005  
INDIA
- RAMSEY LAWRENCE W DR  
DEPT OF ASTRONOMY  
525 DAVEY LAB  
UNIV OF PENNA  
UNIV PK PA 16802  
U.S.A.
- RANKIN JJANNA M DR  
DEPT OF HISTORY  
CORNELL UNIVERSITY  
MCGRAW HALL  
ITHACA NY 14853  
U.S.A.
- RAO N KAMESWARA  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- RAPLEY CHRISTOPHER G DR  
MULLARD SPACE SC LAB  
UNIV COLLEGE LONDON  
LONDON  
U.K.
- RAYROLE JEAN R DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- RADHAKRISHNAN V PROF  
DIRECTOR  
RAMAN RESEARCH  
INSTITUTE  
BANGALORE 560 006  
INDIA
- RAEDLER K H DR  
ZENTRINST ASTROPHYSIK  
ASTROP OBSERVATORIUM  
TELEGRAFENBERG  
DDR-15 POTSDAM  
G.D.R.
- RAGHAVAN NIRUPAMA DR  
2133 INDIAN INSTITUTE  
OF TECHNOLOGY  
CAMPUS  
NEW DELHI 110 029  
INDIA
- RAIMOND ERNST DR  
NETHERL FOUNDATION  
FOR RADIOASTRONOMY  
RADIOSTERRENWACHT  
7991 AC DWINGELOO  
THE NETHERLANDS
- RAJCHL JAROSLAV DR  
ASTRONOMICAL INST  
CZECHOS ACAD SC  
OBSERVATORY  
251 65 ONDREJOV  
CZECHOSLOVAKIA
- RAKOS KARL D PROF  
INST FUER ASTRONOMIE  
UNIV WIEN  
TURKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- RAMATY REUVEN DR  
LAB HIGH ENERGY ASTR  
NASA-GODDARD SPACE  
FLIGHT CTR CODE 660  
GREENBELT MD 20771  
U.S.A.
- RANDIC LEO PROF DR  
GUNDULICEVA 54  
ZAGREB  
YUGOSLAVIA
- RANUHEN TIMO  
OBS & ASTROPHYS LAB  
UNIV OF HELSINKI  
TAEHTITORINMAEKI  
SF-00130 HELSINKI 13  
FINLAND
- RAO RAMACHANDRA V PROF  
ISRO SATELLITE  
CENTER PEENYA  
BANGALORE 560058  
INDIA
- RASMUSEN H W DR  
VAERSLEVGAAREN  
FRANKERUPVEI 40  
DK-4400 KALUNDBORG  
DENMARK
- RAZIN V A DR  
RADIOPHYSICAL  
RESEARCH INSTITUTE  
603600 GORKIJ  
U.S.S.R.
- RADLOVA L N DR  
INSTITUTE OF SCIENCE  
AND TECHNICS INFORMATI  
ON  
125219 MOSCOW  
U.S.S.R.
- RAFANELLI PIERO DR  
OSSERVATORIO ASTRO-  
NOMICO  
I-35100 PADOVA  
ITALY
- RAHE JURGEN PROF  
UNIV ERL-NUERBERG  
ASTRONOMICAL INST  
STERNWARTSTR 7  
D-8600 BAMBERG  
GERMANY, F.R.
- RAINE DEREK J DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
LEICESTER  
LEICESTER LE1 7RH  
U.K.
- RAJU P K DR  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560034  
INDIA
- RAKSHIT H PROF  
BENGAL ENGINEERING  
COLLEGE  
SIBPORE  
HEWRAH  
INDIA
- RAMBERG JOERAN M PROF  
GENVAEGEN 4  
S-133 00  
SALTSJOFEBADEN  
SWEDEN
- RANK DAVID M PROF  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95064  
U.S.A.
- RAO A P DR  
RADIO ASTRONOMY CTR  
P O BOX NO 8  
OOTACAMUND 643 001  
INDIA
- RAPAPORT M DR  
OBS DE BORDEAUX  
F-33270 FLOIRAC  
FRANCE
- RAYMOND JOHN CHARLES  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- READHEAD ANTHONY C S DR  
RADIO ASTRONOMY DEPT  
ROBINSON BLDG  
CALTECH  
PASADENA CA 91125  
U.S.A.

- REASENBERG ROBERT D DR  
MIT  
54-612  
CAMBRIDGE MA 02139  
U.S.A.
- REBEIROT EDITH DR  
OBS DE MARSEILLE  
2 PLACE LE VERRIER  
F-13004 MARSEILLE  
FRANCE
- REDDISH VINCENT C PROF  
ROYAL OBSERVATORY  
EDINBURGH EH12 9AJ  
U.K.
- REEVES EDMOND M DR  
NASA HEADQUARTERS  
SM-8  
400 MARYLAND AVE  
WASHINGTON DC 20546  
U.S.A.
- REGO FERNANDES M. DR.  
ASTROFISICA  
FACULTA FISICA  
UNIV.COMPLUTENSE  
MADRID 3  
SPAIN
- REID MARK JONATHAN DR  
NAT RADIO ASTRON OBS  
EDGEMONT RD  
CHARLOTTESVL VA22901  
U.S.A.
- REINISCH G DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- REN JIANG-PING  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- RENSON P F M DR  
INSTITUT  
D ASTROPHYSIQUE  
B-4200 COINTE-DOUGREE  
BELGIUM
- REUNING ERNEST G DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIV OF GEORGIA  
ATHENS GA 30602  
U.S.A.
- REYNOLDS RONALD J DR  
SPACE PHYSICS GROUP  
1150 UNIVERSITY AVE  
MADISON WI 53706  
U.S.A.
- RIBES JEAN-CLAUDE DR  
INAG  
77 AVE JENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- REAVES GIBSON PROF  
UNIVERSITY OF  
SOUTHERN CALIFORNIA  
LOS ANGELES CA 90007  
U.S.A.
- REBER GROTE DR  
GENERAL DELIVERY  
BOTHWELL TASM 7411  
AUSTRALIA
- REES DAVID ELWYN DR  
DEPT APPLIED MATH  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- REEVES HUBERT PROF  
SEP-SES BAT 28  
CEN SACLAY  
B P 2  
F-91190 GIF S YVETTE  
FRANCE
- REICH WOLFGANG  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- REIMERS DIETER DR  
INST THEC PHY STERNW  
NEUE UNIV PHYSIK ZTM  
OLSHAUSENST GB N 61C  
D-2300 KIEL 1  
GERMANY, F.R.
- REIZ ANDERS PROF  
UNIVERSITY  
OBSERVATORY  
OSTERVOLDGADE 3  
DK-1350 COPENHAGEN K  
DENMARK
- RENGARAJAN T N DR  
TATA INSTITUTE OF  
FUNDAMENTAL RESEARCH  
HOMI BHABHA ROAD  
BOMBAY 400 005  
INDIA
- RENZINI ALVIO PROF  
OSSERVATORIO  
ASTRONOMICO  
VIA ZAMBONI 33  
I-40126 BOLOGNA  
ITALY
- REVELLE DOUGLAS JORSON DR  
DEPT OF PHYSICS  
C U BOX 6010  
NORTHERN ARIZ UNIV  
FLAGSTAFF AZ 86011  
U.S.A.
- RHODES EDWARD J JR  
11801 KILLMORE AVE  
NORTH RIDGE CA 91326  
U.S.A.
- RICE D A  
COAST AND GEODETIC  
SURVEY  
ROCKVILLE MD 20852  
U.S.A.
- REAY NEWRICK K DR  
ASTRONOMY GROUP  
BLACKETT LABORATORY  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.
- RECILLAS-CRUZ ELSA DR  
INST DE ASTRONOMIA  
UNAM  
APDO POSTAL 70-264  
04510 MEXICO DF  
MEXICO
- REES MARTIN J PROF  
INST OF ASTRONOMY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.
- REFSDAL S PROF DR  
HAMBURGER STERNWART  
GOOJENBERGSWEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.
- REID JOHN H DR  
1007 RESEDA DRIVE  
HOUSTON TX 77062  
U.S.A.
- REINHARDT MICHAEL PROF  
ASTRONOMISCHES INST  
RUHR UNIVERSITAET  
POSTFACH 102148  
D-4630 BOCHUM 1  
GERMANY, F.R.
- REMY BATTIAU LILIANE G A  
DR  
INST D ASTROPHYSIQUE  
UNIVERSITY DE LIEGE  
B-4200 COINTE DOGREE  
BELGIUM
- RENSE WILLIAM A DR  
DEPT PHYS AND ASTROP  
UNIV OF COLORADO  
DUANE PHYSICAL LABS  
BOULDER CO 80302  
U.S.A.
- REQUIEME YVES DR  
OBSERVATOIRE  
DE BORDEAUX  
F-33270 FLOIRAC  
FRANCE
- REYNOLDS JOHN H PROF  
DEPT OF PHYSICS  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.
- RIBES ELIZABETH DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- RICE JOHN B DR  
DEPT PHYSICS AND  
ASTRONOMY  
BRANDON UNIVERSITY  
BRANDON MAN RTA 6A9  
CANADA

- RICHARDSON E HARVEY DR  
HERZBERG INST ASTRO  
DOMINION ASTRO OBS  
5071 W SAANICH RD  
VICTORIA BC V8X 4M6  
CANADA
- RICHTER G A DR  
ZENTRALINSTITUT FUER  
ASTROPHYSIK  
STERNWARTEN SONNEBERG  
DDR-64 SONNEBERG  
G.D.R.
- RICKARD LEE J DR  
NAT RADIO ASTRON OBS  
EDGEMONT RD  
CHARLOTTESVILLE VA22901  
U.S.A.
- RICKMAN HANS DR  
ASTRONOMISKA OBS  
BOX 515  
S-75120 UPPSALA  
SWEDEN
- RIEDEL KURT W DR  
DEPT OF ASTRONOMY  
UCLA  
LOS ANGELES CA 90024  
U.S.A.
- RIGHINI-GIOVANNA GIOVANNA DR  
DEPT EARTH SPACE SCI  
SUNY  
STONY BROOK NY 11794  
U.S.A.
- RILEY JULIA M DR  
MULLARD RADIO ASTRON  
LABORATORY  
MADINGLEY ROAD  
CAMBRIDGE  
U.K.
- RING JAMES PROF  
THE BLACKETT  
LABORATORY  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.
- RIPKEN HARTMUT W DR  
INST F ASTROPHYS UND  
EXTRATERR FORSCHUNG  
AUF DEM HEGEL 71  
D-5300 BONN  
GERMANY, F.R.
- ROACH FRANKLIN E  
2969 KALAKAUA AVE  
APT 605  
HONOLULU HI 96815  
U.S.A.
- ROBE H A G DR  
INSTITUT  
D ASTROPHYSIQUE  
B-4200 COINTE-DUGREE  
BELGIUM
- ROBERTS DAVID HALL DR  
RES LAB ELECTRONICS  
26-321  
MIT  
CAMBRIDGE MA 02139  
U.S.A.
- RICHARDSON R S  
GRIFFITH OBS  
P O BOX 27787  
LOS FELIX STATION  
LOS ANGELES CA 90027  
U.S.A.
- RICHTER JOHANNES PROF  
INST F EXPER PHYSIK  
PHYSIKZENTRUM  
OLSHAUSENSTRASSE  
D-2300 KIEL  
GERMANY, F.R.
- RICKER GEORGE R DR  
MIT  
CTR FOR SPACE RES  
77 MASS AV RM 37-527  
CAMBRIDGE MA 02139  
U.S.A.
- RICORT GILBERT DR  
DEPT D ASTROPHYSIQUE  
UNIVERSITE DE NICE  
PARC VALROSE  
F-06034 NICE  
FRANCE
- RIEU N Q DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- RIGUTTI MARIO PROF  
OSSERVATORIO ASTRON  
MICO DI CAPUDI MONTE  
MOTARIELLO 16  
I-80131 NAPOLI  
ITALY
- RINDLER WOLFGANG PROF  
UNIVERSITY OF TEXAS  
BOX 688  
RICHARDSON TX 75080  
U.S.A.
- RINGNES TRULS S DR  
INST THEOR ASTROPHYS  
UNIVERSITY OF OSLO  
P O BOX 1029  
BLINDERN OSLO 3  
NORWAY
- RITTER HANS DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN  
GERMANY, F.R.
- ROARK TERRY P PROF  
DEPT OF ASTRONOMY  
OHIO ST UNIVERSITY  
174 W 18TH AVE  
COLUMBUS OH 43210  
U.S.A.
- ROBERTI GIUSEPPE DR  
OSSERVATORIO ASTRO-  
NOMICO  
NAPOLI  
ITALY
- ROBERTS JAMES A DR  
CSIRO DIVISION OF  
RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- RICHER HARVEY B DR  
DEPT GEOPHYS-ASTRON  
UNIVERSITY OF BC  
2075 WESBROOK PLACE  
VANCOUVER BC V6T 1W5  
CANADA
- RICKARD JAMES JOSEPH DR  
P O BOX 777  
BORREGO SPRINGS  
CO 92004  
U.S.A.
- RICKETT BARNABY JAMES DR  
DEPT APPLIED PHYSICS  
AND INFORMATION SC  
UNIV CALIF SAN DIEGO  
LA JOLLA CA 92093  
U.S.A.
- RIDDLE ANTHONY C DR  
700 GRANT PL  
BOULDER CO 80302  
U.S.A.
- RIGHINI ALBERTO PROF  
OSSERVATORIO ASTRO-  
FISICO ARCE TRI  
LARGO E FERMI 5  
I-50125 FIRENZE  
ITALY
- RIIHIMAA JORMA J DR  
AARNE KARJALAINEN  
OBSERVATORY  
UNIVERSITY OF OULU  
SF-90100 OULU 10  
FINLAND
- RINEHART JOHN S PROF  
HYPERDYNAMICS  
P O BOX 392  
SANTA FE NM 87501  
U.S.A.
- RINGUELET ADELA E DR  
49 342  
1900 LA PLATA  
ARGENTINA
- RIZVANOVA NAUFAL G DR  
ENGELHARDT OBS  
422526 KASAN  
U.S.S.R.
- ROBBINS R ROBERT PROF  
UNIVERSITY OF TEXAS  
ASTRONOMY DEPT  
AUSTIN TX 78712  
U.S.A.
- ROBERTS BERNARD DR  
DEPT APPLIED MATH  
UNIV OF ST ANDREWS  
ST ANDREWS FIFE  
KY16 8QP  
U.K.
- ROBERTS MORTON S DR  
NAT RADIO ASTRO OBS  
EDGEMONT RD  
CHARLOTTESVILLE  
VA 22901  
U.S.A.

- ROBERTS WALTER DRR DR  
UNIVERSITY CORP FOR  
ATMOSPHERIC RESEARCH  
P O BOX 3000  
BOULDER CO 80307  
U.S.A.
- ROBERTSON JAMES GORDON DR  
ANGLO-AUSTRALIAN  
OBSERVATORY  
P O BOX 296  
EPPING NSW 2121  
AUSTRALIA
- ROBINSON BRIAN J DR  
CSIRO RADIOPHYSICS  
LABORATORY  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- ROBINSON JK RICHARD D DR  
CSIRO DIVISION OF  
RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- ROBINSON WILLIAM J DR  
DEPT OF MATHEMATICS  
THE UNIVERSITY  
BRADFORD BD7 1DP  
U.K.
- ROCCA-VOLMERANGE B DR  
LAB RENE BERNAS  
BAT 108  
F-91406 ORSAY  
FRANCE
- RODDIER FRANCIS PROF  
DEPT D'ASTROPHYSIQUE  
UNIVERSITE DE NICE  
PARC VALROSE  
F-06034 NICE CEDEX  
FRANCE
- RODOND MARCELLO DR  
OSSERVATORIO  
ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY
- ROEMER ELIZABETH PROF  
LUNAR AND PLANETARY  
LABORATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.
- ROESER HERMANN-JOSEF DR  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- ROGERS ALAN E E DR  
HAYSTACK OBSERVATORY  
WESTFORD MA 01886  
U.S.A.
- ROHLFS K PROF DR  
RUHR UNIV BOCHUM  
INST FUR ASTROPHYS  
POSTFACH 102 149  
D-4630 BOCHUM 1  
GERMANY, F.R.
- ROBERTS WILLIAM W JR PROF  
DPT APPL MATH COM SC  
THORNTON HALL UNIVVA  
CHARLOTTEVILLE  
VA 22901  
U.S.A.
- ROBERTSON JOHN ALISTAIR  
INST ASTROPHYSIK  
KARL-SCHWARZSCHILD-  
STRASSE 1  
D-8046 GARCHING B M  
GERMANY, F.R.
- ROBINSON EDWARD LEWIS DR  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- ROBINSON LEIF J  
14 WILLOW ROAD  
WELLESLEY MA 02181  
U.S.A.
- ROBLEY R DR  
OBSERVATOIRE  
DU PIC DU MIDI  
1 AVE C FLAMMARION  
F-31500 TOULOUSE  
FRANCE
- ROCHESTER MICHAEL G PROF  
PHYSICS DEPT  
MEMORIAL UNIVERSITY  
ST JOHNS NFLD A1C5S7  
CANADA
- RODGER ALEX W DR  
MT STROMLO  
OBSERVATORY  
WODEN PO ACT 2606  
AUSTRALIA
- RODRIGUEZ LUIS F  
INST DE ASTRONOMIA  
UNAM  
APOD POSTAL 70-264  
04510 MEXICO DF  
MEXICO
- ROEMER MAX PROF  
INST F ASTROPHYSIK  
EXTRATERR FORSCHUNG  
AUF DEM HUEGEL 71  
D-5300 BONN 1  
GERMANY, F.R.
- ROESER SIEGFRIED DR  
ASTRONOMISCHES  
RECHEN-INSTITUT  
MOENCHHOFSTR 12-14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- ROGERSON JOHN B PROF  
PRINCETON UNIVERSITY  
DEPT ASTROPHYS SCS  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- ROLAND GINETTE DR  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
B-4200 COINTE DUGREE  
BELGIUM
- ROBERTSON DOUGLAS S  
NOAA NOS  
NGS OA/C12  
ROCKVILLE MD 20852  
U.S.A.
- ROBERTSON WILLIAM H  
1 DUNMORE ROAD  
EPPING NSW 2121  
AUSTRALIA
- ROBINSON I PROF  
UNIVERSITY OF TEXAS  
BOX 688  
MAIL STATION BE 32  
RICHARDSON TX 75080  
U.S.A.
- ROBINSON LLOYD B DR  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95064  
U.S.A.
- ROBSON IAN E DR  
DIV PHYS AND ASTRON  
PRESTON POLYTECHNIC  
PRESTON PRI 2TQ  
U.K.
- RODDIER C DR  
UER DE MATHÉMATIQUES  
UNIV DE PROVINCE  
PLACE VICTOR HUGO  
F-13331 MARSEILLE  
FRANCE
- RODMAN RICHARD P DR  
65 LOCUST AVE  
LEXINGTON MA 02173  
U.S.A.
- ROEDER ROBERT C PROF  
DEPT OF ASTRONOMY  
SCARBOROUGH COLLEGE  
1265 MILITARY TRAIL  
WEST HILL ONT M1C1A4  
CANADA
- ROENNAENG BERNT O DR  
ONSALA SPACE  
OBSERVATORY  
S-430 34 ONSALA  
SWEDEN
- ROGER ROBERTS S DR  
DOMINION RADIO ASTRO  
PHYSICAL OBSERVATORY  
BOX 248  
PENTICTON BC V2A 6K3  
CANADA
- ROGSTAD DAVID H DR  
MAIL CODE 102-24  
CALIF INST TECHN  
1201 E CALIF BLVD  
PASADENA CA 91125  
U.S.A.
- ROLLAND ANGEL DR  
JUPITER 2  
HUETOR VEGA  
GRANADA  
SPAIN

ROMAN NANCY G DR  
4620 NORTH PARK AVE  
APT 306W  
CHEVY CHASE MD 20015  
U.S.A.

ROMANOV YURI S DR  
ODESSA ASTRONOMICAL  
OBSERVATORY  
SHEVCHENKO PARK  
270014 ODESSA  
U.S.S.R.

RONAN COLIN A  
13 ACORN AVE  
BAR HILL  
CAMBRIDGE CB3 8DT  
U.K.

ROOSEN ROBERT G DR  
LAB FOR SOLAR PHYS  
UNIV OF NEW MEXICO  
ALBUQUERQUE NM 87131  
U.S.A.

ROSCH JEAN PROF DR  
OBSERVATOIRES DU PIC  
DU MIDI ET DE  
TOULOUSE  
F-65200 BAGNERES  
FRANCE

ROSEN E DR  
DEPT OF HISTORY  
CITY COLLEGE OF THE  
CITY UNIV NEW YORK  
NEW YORK NY 10031  
U.S.A.

ROSINO LEONIDA PROF  
ASTRONOMICAL OBSERVA  
TORY PADOVA  
PADOVA  
ITALY

ROSQUIST KJELL  
MULTRAG 140  
S-162 29 VAELLINGBY  
SWEDEN

ROSSELAND SVEIN PROF  
INST THEDET ASTROPH  
UNIVERSITY OF OSLO  
P O BOX 1029  
BLINDERN OSLO 3  
NORWAY

ROSTAS FRANCOIS DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

ROTS ARNOLD H DR  
NAT RADIO ASTRON OBS  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.

ROUNTREE JANET DR  
AFE TECHN SVCS STAFF  
BOLLING AFB  
WASHINGTON DC 20332  
U.S.A.

ROMANCHUK P R DR  
KIEV STATE UNIVERSI-  
TY ASTRONOMICAL  
OBSERVATORY  
252053 KIEV  
U.S.S.R.

ROMNEY JONATHAN D DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

ROOD HERBERT J  
52 ELIZABETH ST  
SOUTH BOUND BROOK  
NJ 08880  
U.S.A.

ROSA DOROTHEA DR  
LANDESSTERNWART  
KOENIGSTUHL  
D-6900 HEIDELBERG  
GERMANY, F.R.

ROSE JAMES ANTHONY  
INST FOR ASTRONOMY  
UNIVERSITY OF HAWAII  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.

ROSENBERG J DR  
STERRENWACHT  
SERVAAS BOLWERK 13  
3512 NK UTRECHT  
THE NETHERLANDS

ROSLUND CURT DR  
DEPT OF ASTRONOMY  
CHALMERS UNIVERSITY  
OF TECHNOLOGY FACK  
S-402 20 GOETEBORG  
SWEDEN

ROSS DENNIS K PROF  
PHYSICS DEPT  
IOWA ST UNIVERSITY  
AMES IA 50010  
U.S.A.

ROSSI BRUNO B PROF  
MASS INSTITUTE OF  
TECHNOLOGY  
RM 37-667  
CAMBRIDGE MA 02139  
U.S.A.

ROTH MARIA-LUISE PH D  
HAMBURGER STERNWART  
D-205 HAMBURG 80  
GERMANY, F.R.

ROTTENBERG J A DR  
2911 BAYVIEW AVE  
SUITE 110C  
WILLOWDALE ONT M2K1E8  
CANADA

ROUSE CARL A DR  
627 15TH ST  
DEL MAR CA 92014  
U.S.A.

ROMANO GIULIANO PROF  
VIALE S ANTONIO  
DA PADOVA 7  
I-31100 TREVISO  
ITALY

ROMPOLT BOHDAN DR  
ASTRONOMICAL INST  
UL KOPERNIKA 11  
51 622 WROCLAW  
POLAND

ROOD ROBERT T DR  
BOX 3818  
UNIVERSITY STATION  
CHARLOTTESVILLE  
VA 22903  
U.S.A.

ROSADO MARGARITA DR  
INST DE ASTRONOMIA  
UNAM  
APOD POSTAL 70-264  
04510 MEXICO DF  
MEXICO

ROSE WILLIAM K DR  
ASTRONOMY PROGRAM  
UNIVERSITY MARYLAND  
COLLEGE PK MD 20742  
U.S.A.

ROSENDHAL JEFFEREY D DR  
NASA HEADQUARTERS  
CODE SA  
WASHINGTON DC 20546  
U.S.A.

ROSNER ROBERT  
HARVARD-SMITHSONIAN  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

ROSS JOHN E R DR  
PHYSICS DEPT  
UNIV OF QUEENSLAND  
ST LUCIA  
BRISBANE QLD 4067  
AUSTRALIA

ROSSI LUCIO  
IST DI ASTROFISICA  
SPAZIALE  
CASELLA POSTALE 67  
I-00044 FRASCATI  
ITALY

ROTH MIGUEL R DR  
INST DE ASTRONOMIA  
UNAM  
APOD POSTAL 70-264  
04510 MEXICO DF  
MEXICO

ROUFFE EVELYNE M A DR  
OBSERVATOIRE MEUDON  
DEPT D ASTROPHYSIQUE  
FOTLE  
F-92190 MEUDON  
FRANCE

ROUSSEAU JEAN-MICHEL MR  
OBSERVATOIRE  
DE BORDEAUX  
F-33270 FLOIRAC  
FRANCE



- ROUSSEAU JEANINE DR  
OBSERVATOIRE DE LYON  
F-69230 ST GENIS  
LAVAL  
FRANCE
- ROVITHIS PETER EMM DR  
NATIONAL OBSERVATORY  
OF ATHENS  
ATHENS 306  
GREECE
- ROWSON BARRIE DR  
NRAL  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.
- ROY JEAN-RENE  
DEPT DE PHYSIQUE  
UNIVERSITE LAVAL  
CITE UNIVERSITAIRE  
QUEBEC G1K 7P4  
CANADA
- RUBASHEV BORIS M DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- RUBIN VERA C DR  
DEPT TERRESTRIAL MAG  
CARNEGIE INST WASH  
5241 BRDAD BR RD N W  
WASHINGTON DC 20015  
U.S.A.
- RUDERMAN MALVIN A  
PHYSICS DEPT  
COLUMBIA UNIVERSITY  
NEW YORK NY 10027  
U.S.A.
- RUDNICKI KONRAD PROF  
ASTRONOMICAL OBS  
UL DRLA 171  
3D 244 KRAKOW  
POLAND
- RUIZ MARIA TERESA DR  
OBS ASTRON NACIONAL  
UNIVERSIDAD DE CHILE  
CASILLA 36-3  
SANTIAGO  
CHILE
- RUNCORN S K PROF  
SCHOOL OF PHYSICS  
THE UNIVERSITY  
NEWCASTLE UPON TYNE  
NE1 7RU  
U.K.
- RUSIN VOJTECH  
ASTRONOMICAL INST  
SLOVAK ACADEMY OF SC  
05960 TATRANSKA  
LOMNICA  
CZECHOSLOVAKIA
- RUSSELL JANE L DR  
DEPT OF PHYSICS  
IOWA STATE UNIV  
AMES IA 50011  
U.S.A.
- ROUTLEDGE DAVID DR  
ELECTRICAL ENGG DEPT  
UNIVERSITY OF  
ALBERTA  
EDMONTON T6G 2J1  
CANADA
- ROVITHIS-LIVANIOU H PH D  
ASTRONOMY DEPT  
UNIV OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 621  
GREECE
- ROXBURGH IAN W PROF  
DEPT APPLIED MATHS  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1  
U.K.
- ROZELOT JEAN P  
150 BLVD DIDEROT  
IMMEUBLE F 128  
F-75012 PARIS  
FRANCE
- RUBEN G PROF DR  
ZINTRINST ASTROPHYSIK  
ASTROPHYS OBS  
TELEGRAFENBERG  
DDR-15 POTSDAM  
G.D.R.
- RUCINSKI SLAWOMIR M DR  
ASTRONOMICAL  
OBSERVATORY  
AL UJAZDOWSKIE 4  
00 478 WARSZAWA  
POLAND
- RUDKJOBING MOGENS PROF  
ASTRONOMISK INSTITUT  
LANGELANDSGADE  
DK-8000 AARHUS C  
DENMARK
- RUFENER FREDY G PROF  
OBSERVATOIRE  
DE GENEVE  
CH-1290 SAUVERNY GE  
SWITZERLAND
- RULE BRUCE H STAFF RETIRE  
HALE OBSERVATORIES  
2205 MONTE VISTA ST  
PASADENA CA 91107  
U.S.A.
- RUPRECHT JAROSLAV DR  
ASTRONOMICAL INST OF  
CZECHOSLOVAK ACAD SC  
BUDECKA 6  
120 23 PRAHA 2  
CZECHOSLOVAKIA
- RUSKOL EUGENIA L DR  
OJSCHMIDT INSTITUTE  
OF PHYSICS OF EARTH  
AC SCI USSR  
123810 MOSCOW  
U.S.S.R.
- RUSSELL JOHN A PROF  
DEPT OF ASTRONOMY  
UNIV OF SOUTHERN CAL  
UNIVERSITY PARK  
LOS ANGELES CA 90007  
U.S.A.
- ROUTLY PAUL M DR  
US NAVAL OBSERVATORY  
34TH AND MASS AVE NW  
WASHINGTON DC 20390  
U.S.A.
- ROWAN-RJBINSON MICHAEL DR  
DEPT OF APPLIED MATH  
QUEEN MARY COLLEGE  
MILE END RD  
LONDON E1 4NS  
U.K.
- ROY ARCHIE E PROF  
DEPT OF ASTRONOMY  
GLASGOW UNIVERSITY  
GLASGOW G12 8QQ  
U.K.
- ROZHKOVSKIY DIMITRIJ A  
PROF  
ASTROPHYSICAL  
INSTITUTE  
48068 ALMA ATA  
U.S.S.R.
- RUBIN ROBERT HOWARD  
NASA AMES RESEARCH  
CENTER MS 245-6  
HOFFETT FIELD  
CA 94035  
U.S.A.
- RUDY VINCENT P DR  
REGIONAL TECHNICAL  
COLLEGE  
ROSSA AVE  
CORK  
IRELAND
- RUDNICK LAWRENCE DR  
NAT RADIO ASTRON LAB  
EDGEMONT RD  
CHARLOTTESVILLE VA22901  
U.S.A.
- RUGGE HJGO R DR  
THE AEROSPACE  
CORPORATION  
P O BOX 92957  
LOS ANGELES CA 90009  
U.S.A.
- RUMSEY NORMAN J  
PHYSICS AND ENGINEE-  
RING LABORATORY  
D S I R  
LOWER HUTT  
NEW ZEALAND
- RUSCONI LUIGIA DR  
VIA DEL VELTRO 77  
I-34100 TRIESTE  
ITALY
- RUSSELL CHRISTOPHER T  
INST OF GEOPHYSICS  
& PLANETARY PHYSICS  
UNIV OF CALIFORNIA  
LOS ANGELES CA 90024  
U.S.A.
- RUSSEV RUSCHO DR  
DEPT OF ASTRONOMY  
ANTON IVANOV ST 5  
1126 SOFIA  
BULGARIA

- RUSSO GUIDO DR  
 OSSERVATORIO ASTRO-  
 NOMICOMI CAPODIMONTE  
 VIA MOIARELLO 16  
 I-80131 NAPOLI  
 ITALY
- RUST DAVID M DR  
 AMERICAN SCIENCE AND  
 ENGINEERING CO  
 955 MASS AVE  
 CAMBRIDGE MA 02139  
 U.S.A.
- RUTTEN ROBERT JELLE DR  
 OBS SONNENBORGH  
 ZONNENBURG 2  
 3512 NL UTRECHT  
 THE NETHERLANDS
- RYABOV YU A PROF DR  
 MATHEMATICS DEPT OF  
 MADI  
 125319 MOSCOW  
 U.S.S.R.
- RYBICKI GEORGE B DR  
 HARVARD SMITHSONIAN  
 CTR F ASTROPHYSICS  
 60 GARDEN ST  
 CAMBRIDGE MA 02138  
 U.S.A.
- RYBECK DLOF E H PROF  
 ONSALA SPACE  
 OBSERVATORY  
 S-430 34 ONSALA  
 SWEDEN
- RYDH BECK G H B DR  
 PL 6730  
 ALGARDA  
 S-434 00 KUNGSBACKA  
 SWEDEN
- RYDKREN ALFRED ERIC JR DR  
 PHYSICS DEPT  
 RENSSELAER POLYTECHN  
 INSTITUTE  
 TROY NY 12180  
 U.S.A.
- RYKHOVA LIDIJA V DR  
 ASTRONOMICAL COUNCIL  
 USSR ACADEMY OF SCI  
 PYATNITSKAYA 48  
 109017 MOSCOW  
 U.S.S.R.
- RYLOV V S DR  
 SPECIAL ASTROPHYSI-  
 CAL OBSERVATORY  
 USSR ACADEMY OF SCI  
 357140 N ARKHYZ  
 U.S.S.R.
- RYTER CHARLES E DR  
 CEN SACLAY  
 DPH EP A  
 BP 2  
 F-91190 GIF S YVETTE  
 FRANCE
- RYZHKOV N F DR  
 SPECIAL ASTROPHYS-  
 OBS USSR ACADEMY SCI  
 LENINGRAD BRANCH  
 196140 LENINGRAD  
 U.S.S.R.
- RYBANSKY MILAN  
 ASTRONOMICAL INST  
 SLOVAK ACADEMY OF SC  
 05960 TATRANSKA  
 LOMNICA  
 CZECHOSLOVAKIA
- RYBKA PRZEMYSŁAW DR  
 INSTITUTE OF HISTORY  
 OF SCIENCE  
 NOWY SWIAT 72  
 00-330 WARSZAWA  
 POLAND
- RYBKA EUGENIUSZ PROF DR  
 UL SZOPENA 23  
 30047 KRAKOW  
 POLAND
- RYBANSKY MILAN  
 ASTRONOMICAL INST  
 SLOVAK ACADEMY OF SC  
 05960 TATRANSKA  
 LOMNICA  
 CZECHOSLOVAKIA
- RYBKA PRZEMYSŁAW DR  
 INSTITUTE OF HISTORY  
 OF SCIENCE  
 NOWY SWIAT 72  
 00-330 WARSZAWA  
 POLAND
- RYDH BECK G H B DR  
 PL 6730  
 ALGARDA  
 S-434 00 KUNGSBACKA  
 SWEDEN
- RYDKREN ALFRED ERIC JR DR  
 PHYSICS DEPT  
 RENSSELAER POLYTECHN  
 INSTITUTE  
 TROY NY 12180  
 U.S.A.
- RYKHOVA LIDIJA V DR  
 ASTRONOMICAL COUNCIL  
 USSR ACADEMY OF SCI  
 PYATNITSKAYA 48  
 109017 MOSCOW  
 U.S.S.R.
- RYLOV V S DR  
 SPECIAL ASTROPHYSI-  
 CAL OBSERVATORY  
 USSR ACADEMY OF SCI  
 357140 N ARKHYZ  
 U.S.S.R.
- RYZHKOV N F DR  
 SPECIAL ASTROPHYS-  
 OBS USSR ACADEMY SCI  
 LENINGRAD BRANCH  
 196140 LENINGRAD  
 U.S.S.R.
- RZHIGA D N DR  
 INSTITUTE OF RADIO  
 AND ELECTRONICS  
 USSR ACADEMY OF SCI  
 103907 MOSCOW  
 U.S.S.R.
- SABAND YUTAKA DR  
 ASTRONOMICAL INST  
 TOHOKU UNIVERSITY  
 ARAMAKI  
 SENDAI 980  
 JAPAN
- SABBADIN FRANCO DR  
 OSSERVATORIO ASTRO-  
 FISICO  
 I-36012 ASIAGO  
 ITALY
- SACK NOAM DR  
 DEPT OF THEORETICAL  
 PHYSICS  
 HEBREW UNIVERSITY  
 JERUSALEM  
 ISRAEL
- SACKMANN I JULIANA DR  
 KELLOGG RADIATION  
 LABORATORY  
 CALIF INST OF TECHN  
 PASADENA CA 91125  
 U.S.A.
- SADA KANE KOZO DR  
 ASTRONOMICAL INST  
 OSAKA KYOIKU UNIV  
 TENNOJI-KU  
 OSAKA 543  
 JAPAN
- SADEH D DR  
 DEPT OF PHYSICS AND  
 ASTRONOMY  
 TEL AVIV UNIVERSITY  
 TEL AVIV  
 ISRAEL
- SADIK AZIZ R DR  
 ASTR & SPACE RES CTR  
 COUNCIL OF SC RES  
 P O BOX 255  
 JADIRIYAH BAGHDAD  
 REP. OF IRAQ
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 VOLGINA 7  
 11050 BEOGRAD  
 YUGOSLAVIA
- SAFKO JOHN L  
 DEPT OF PHYSICS  
 & ASTRONOMY  
 UNIV OF S CAROLINA  
 COLUMBIA SC 29208  
 U.S.A.
- SAGAN CARL DR  
 302 SPACE SCIENCES  
 CORNELL UNIVERSITY  
 ITHACA NY 14853  
 U.S.A.
- SAGGION ANTONIO PROF  
 ISTITUTO DI FISICA  
 G GALILEI  
 VIA MARZOLO 8  
 I-35100 PADOVA  
 ITALY
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 5 CUTITUL DE ARGINT  
 BUCAREST 28  
 ROUMANIA
- RUZDZAK VLADIMIR DR  
 INST OF PHYSICS  
 UNIVERSITY  
 P O BOX 304  
 41001 ZAGREB  
 YUGOSLAVIA
- RYBANSKY MILAN  
 ASTRONOMICAL INST  
 SLOVAK ACADEMY OF SC  
 05960 TATRANSKA  
 LOMNICA  
 CZECHOSLOVAKIA
- RYBKA PRZEMYSŁAW DR  
 INSTITUTE OF HISTORY  
 OF SCIENCE  
 NOWY SWIAT 72  
 00-330 WARSZAWA  
 POLAND
- RYDKREN ALFRED ERIC JR DR  
 PHYSICS DEPT  
 RENSSELAER POLYTECHN  
 INSTITUTE  
 TROY NY 12180  
 U.S.A.
- RYLOV V S DR  
 SPECIAL ASTROPHYSI-  
 CAL OBSERVATORY  
 USSR ACADEMY OF SCI  
 357140 N ARKHYZ  
 U.S.S.R.
- RYZHKOV N F DR  
 SPECIAL ASTROPHYS-  
 OBS USSR ACADEMY SCI  
 LENINGRAD BRANCH  
 196140 LENINGRAD  
 U.S.S.R.
- RZHIGA D N DR  
 INSTITUTE OF RADIO  
 AND ELECTRONICS  
 USSR ACADEMY OF SCI  
 103907 MOSCOW  
 U.S.S.R.
- SABBADIN FRANCO DR  
 OSSERVATORIO ASTRO-  
 FISICO  
 I-36012 ASIAGO  
 ITALY
- SACK NOAM DR  
 DEPT OF THEORETICAL  
 PHYSICS  
 HEBREW UNIVERSITY  
 JERUSALEM  
 ISRAEL
- SACKMANN I JULIANA DR  
 KELLOGG RADIATION  
 LABORATORY  
 CALIF INST OF TECHN  
 PASADENA CA 91125  
 U.S.A.
- SADA KANE KOZO DR  
 ASTRONOMICAL INST  
 OSAKA KYOIKU UNIV  
 TENNOJI-KU  
 OSAKA 543  
 JAPAN
- SADEH D DR  
 DEPT OF PHYSICS AND  
 ASTRONOMY  
 TEL AVIV UNIVERSITY  
 TEL AVIV  
 ISRAEL
- SADIK AZIZ R DR  
 ASTR & SPACE RES CTR  
 COUNCIL OF SC RES  
 P O BOX 255  
 JADIRIYAH BAGHDAD  
 REP. OF IRAQ
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 VOLGINA 7  
 11050 BEOGRAD  
 YUGOSLAVIA
- SAFKO JOHN L  
 DEPT OF PHYSICS  
 & ASTRONOMY  
 UNIV OF S CAROLINA  
 COLUMBIA SC 29208  
 U.S.A.
- SAGAN CARL DR  
 302 SPACE SCIENCES  
 CORNELL UNIVERSITY  
 ITHACA NY 14853  
 U.S.A.
- SAGGION ANTONIO PROF  
 ISTITUTO DI FISICA  
 G GALILEI  
 VIA MARZOLO 8  
 I-35100 PADOVA  
 ITALY
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 5 CUTITUL DE ARGINT  
 BUCAREST 28  
 ROUMANIA
- RUZDZAK VLADIMIR DR  
 INST OF PHYSICS  
 UNIVERSITY  
 P O BOX 304  
 41001 ZAGREB  
 YUGOSLAVIA
- RYBANSKY MILAN  
 ASTRONOMICAL INST  
 SLOVAK ACADEMY OF SC  
 05960 TATRANSKA  
 LOMNICA  
 CZECHOSLOVAKIA
- RYBKA PRZEMYSŁAW DR  
 INSTITUTE OF HISTORY  
 OF SCIENCE  
 NOWY SWIAT 72  
 00-330 WARSZAWA  
 POLAND
- RYDKREN ALFRED ERIC JR DR  
 PHYSICS DEPT  
 RENSSELAER POLYTECHN  
 INSTITUTE  
 TROY NY 12180  
 U.S.A.
- RYLOV V S DR  
 SPECIAL ASTROPHYSI-  
 CAL OBSERVATORY  
 USSR ACADEMY OF SCI  
 357140 N ARKHYZ  
 U.S.S.R.
- RYZHKOV N F DR  
 SPECIAL ASTROPHYS-  
 OBS USSR ACADEMY SCI  
 LENINGRAD BRANCH  
 196140 LENINGRAD  
 U.S.S.R.
- RZHIGA D N DR  
 INSTITUTE OF RADIO  
 AND ELECTRONICS  
 USSR ACADEMY OF SCI  
 103907 MOSCOW  
 U.S.S.R.
- SABBADIN FRANCO DR  
 OSSERVATORIO ASTRO-  
 FISICO  
 I-36012 ASIAGO  
 ITALY
- SACK NOAM DR  
 DEPT OF THEORETICAL  
 PHYSICS  
 HEBREW UNIVERSITY  
 JERUSALEM  
 ISRAEL
- SACKMANN I JULIANA DR  
 KELLOGG RADIATION  
 LABORATORY  
 CALIF INST OF TECHN  
 PASADENA CA 91125  
 U.S.A.
- SADA KANE KOZO DR  
 ASTRONOMICAL INST  
 OSAKA KYOIKU UNIV  
 TENNOJI-KU  
 OSAKA 543  
 JAPAN
- SADEH D DR  
 DEPT OF PHYSICS AND  
 ASTRONOMY  
 TEL AVIV UNIVERSITY  
 TEL AVIV  
 ISRAEL
- SADIK AZIZ R DR  
 ASTR & SPACE RES CTR  
 COUNCIL OF SC RES  
 P O BOX 255  
 JADIRIYAH BAGHDAD  
 REP. OF IRAQ
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 VOLGINA 7  
 11050 BEOGRAD  
 YUGOSLAVIA
- SAFKO JOHN L  
 DEPT OF PHYSICS  
 & ASTRONOMY  
 UNIV OF S CAROLINA  
 COLUMBIA SC 29208  
 U.S.A.
- SAGAN CARL DR  
 302 SPACE SCIENCES  
 CORNELL UNIVERSITY  
 ITHACA NY 14853  
 U.S.A.
- SAGGION ANTONIO PROF  
 ISTITUTO DI FISICA  
 G GALILEI  
 VIA MARZOLO 8  
 I-35100 PADOVA  
 ITALY
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 5 CUTITUL DE ARGINT  
 BUCAREST 28  
 ROUMANIA
- RUZDZAK VLADIMIR DR  
 INST OF PHYSICS  
 UNIVERSITY  
 P O BOX 304  
 41001 ZAGREB  
 YUGOSLAVIA
- RYBANSKY MILAN  
 ASTRONOMICAL INST  
 SLOVAK ACADEMY OF SC  
 05960 TATRANSKA  
 LOMNICA  
 CZECHOSLOVAKIA
- RYBKA PRZEMYSŁAW DR  
 INSTITUTE OF HISTORY  
 OF SCIENCE  
 NOWY SWIAT 72  
 00-330 WARSZAWA  
 POLAND
- RYDKREN ALFRED ERIC JR DR  
 PHYSICS DEPT  
 RENSSELAER POLYTECHN  
 INSTITUTE  
 TROY NY 12180  
 U.S.A.
- RYLOV V S DR  
 SPECIAL ASTROPHYSI-  
 CAL OBSERVATORY  
 USSR ACADEMY OF SCI  
 357140 N ARKHYZ  
 U.S.S.R.
- RYZHKOV N F DR  
 SPECIAL ASTROPHYS-  
 OBS USSR ACADEMY SCI  
 LENINGRAD BRANCH  
 196140 LENINGRAD  
 U.S.S.R.
- RZHIGA D N DR  
 INSTITUTE OF RADIO  
 AND ELECTRONICS  
 USSR ACADEMY OF SCI  
 103907 MOSCOW  
 U.S.S.R.
- SABBADIN FRANCO DR  
 OSSERVATORIO ASTRO-  
 FISICO  
 I-36012 ASIAGO  
 ITALY
- SACK NOAM DR  
 DEPT OF THEORETICAL  
 PHYSICS  
 HEBREW UNIVERSITY  
 JERUSALEM  
 ISRAEL
- SACKMANN I JULIANA DR  
 KELLOGG RADIATION  
 LABORATORY  
 CALIF INST OF TECHN  
 PASADENA CA 91125  
 U.S.A.
- SADA KANE KOZO DR  
 ASTRONOMICAL INST  
 OSAKA KYOIKU UNIV  
 TENNOJI-KU  
 OSAKA 543  
 JAPAN
- SADEH D DR  
 DEPT OF PHYSICS AND  
 ASTRONOMY  
 TEL AVIV UNIVERSITY  
 TEL AVIV  
 ISRAEL
- SADIK AZIZ R DR  
 ASTR & SPACE RES CTR  
 COUNCIL OF SC RES  
 P O BOX 255  
 JADIRIYAH BAGHDAD  
 REP. OF IRAQ
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 VOLGINA 7  
 11050 BEOGRAD  
 YUGOSLAVIA
- SAFKO JOHN L  
 DEPT OF PHYSICS  
 & ASTRONOMY  
 UNIV OF S CAROLINA  
 COLUMBIA SC 29208  
 U.S.A.
- SAGAN CARL DR  
 302 SPACE SCIENCES  
 CORNELL UNIVERSITY  
 ITHACA NY 14853  
 U.S.A.
- SAGGION ANTONIO PROF  
 ISTITUTO DI FISICA  
 G GALILEI  
 VIA MARZOLO 8  
 I-35100 PADOVA  
 ITALY
- SADRZAKOV SOFIJA DR  
 ASTRONOMICAL OBS  
 5 CUTITUL DE ARGINT  
 BUCAREST 28  
 ROUMANIA
- RUZDZAK VLADIMIR DR  
 INST OF PHYSICS  
 UNIVERSITY  
 P O BOX 304  
 41001 ZAGREB  
 YUGOSLAVIA
- RYBANSKY MILAN  
 ASTRONOMICAL INST  
 SLOVAK ACADEMY OF SC  
 05960 TATRANSKA  
 LOMNICA  
 CZECHOSLOVAKIA
- RYBKA PRZEMYSŁAW DR  
 INSTITUTE OF HISTORY  
 OF SCIENCE  
 NOWY SWIAT 72  
 00-330 WARSZAWA  
 POLAND
- RYDKREN ALFRED ERIC JR DR  
 PHYSICS DEPT  
 RENSSELAER POLYTECHN  
 INSTITUTE  
 TROY NY 12180  
 U.S.A.
- RYLOV V S DR  
 SPECIAL ASTROPHYSI-  
 CAL OBSERVATORY  
 USSR ACADEMY OF SCI  
 357140 N ARKHYZ  
 U.S.S.R.
- RYZHKOV N F DR  
 SPECIAL ASTROPHYS-  
 OBS USSR ACADEMY SCI  
 LENINGRAD BRANCH  
 196140 LENINGRAD  
 U.S.S.R.
- RZHIGA D N DR  
 INSTITUTE OF RADIO  
 AND ELECTRONICS  
 USSR ACADEMY OF SCI  
 103907 MOSCOW  
 U.S.S.R.
- SABBADIN FRANCO DR  
 OSSERVATORIO ASTRO-  
 FISICO  
 I-36012 ASIAGO  
 ITALY

- SAGNIER JEAN LOUIS MR  
BUREAU D LONGITUDES  
77 AVENUE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE
- SAHADE JORGE PROF  
49 342  
1900 LA PLATA  
ARGENTINA
- SAHAL-BRECHOT SYLVIE DR  
OBSERVATOIRE DE  
PARIS-MEUDON  
F-92190 MEUDON  
FRANCE
- SAIO HIDEYUKI DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AT AUSTIN  
AUSTIN TX 78712  
U.S.A.
- SAISSAC JOSEPH DR  
OBSERVATOIRE DU  
PIC-DU-MIDI-TOULOUSE  
F-65200 BAGNERES-DE-  
BIGORRE  
FRANCE
- SAITO KJNIJI PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- SAITO MAMORU DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF KYOTO  
SAKYOKU  
KYOTO 606  
JAPAN
- SAITO SUMISABURO DR  
KASAN OBSERVATORY  
YAMASHI HIGASHIYAMA  
KYOTO 607  
JAPAN
- SAKAI JUN-ICHI  
HIGH ALTITUDE  
OBSERVATORY  
BOULDER CO 80307  
U.S.A.
- SAKASHITA SHIRO PROF  
DEPT OF PHYSICS  
HOKKAIDO UNIVERSITY  
KITAJYUJO NISHI 8  
SAPPORO HOKKAIDO 063  
JAPAN
- SAKHAROV VLADIMIR I DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- SAKHIBULLIN NAIL A DR  
DEPT OF ASTRONOMY  
KAZAN STATE UNIV  
420008 KAZAN  
U.S.S.R.
- SAKURAI KUNITOMO PROF  
DEPT OF PHYSICS  
KANAGAWA UNIVERSITY  
KANAGAWA-KU  
YOKOHAMA 221  
JAPAN
- SAKURAI TAKASHI DR  
DEPT OF ASTRONOMY  
UNIV OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- SAKURAI TAKEO T PROF  
FACULTY OF  
ENGINEERING  
KYOTO UNIVERSITY  
SAKYO-KU KYOTO 606  
JAPAN
- SALETIC DUSAN  
ASTRONOMICAL  
OBSERVATORY  
VOLGINA 7  
11050 BEOGRAD  
YUGOSLAVIA
- SALISBURY J W DR  
AFCR  
BLDG 1121  
L G HANSCOM FIELD  
BEDFORD MA 01730  
U.S.A.
- SALOMONOVICH A E DR  
PHYSICAL INSTITUTE  
USSR ACADEMY OF SCI  
117924 MOSCOW  
U.S.S.R.
- SALPETER EDWIN E PROF  
NEWMAN LAB OF NS  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- SALUKVAZDE G N DR  
ABASTUMANY ASTRONOMY-  
SICAL OBSERVATORY  
383762 ABASTUMANY  
U.S.S.R.
- SALVATI MARCO  
IST DI ASTROFISICA  
SPAZIALE  
CASELLA POSTALE 67  
I-00044 FRASCATI  
ITALY
- SAMAIN D DR  
LPSP  
B P NO 10  
F-91370 VERRIERES LE  
BUISSON  
FRANCE
- SAMPSON DOUGLAS H PROF  
DEPT OF ASTRONOMY  
PENN STATE UNIV  
525 DAVEY LAB  
UNIV PARK PA 16802  
U.S.A.
- SAMUS NIKOLAI N DR  
ASTRONOMICAL COUNCIL  
USSR AC OF SCIENCES  
PYATNITSKAYA 48  
109017 MOSCOW  
U.S.S.R.
- SANAMIAN V A DR  
BYURAKAN ASTRONOMY-  
SICAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- SANCHEZ FRANCISCO PROF  
INSTITUTO ASTROFISI-  
CA CANARIAS  
UNIVERSIDAD LAGUNA  
LA LAGUNA TENERIFE  
SPAIN
- SANCHEZ MAGRO C DR  
IAC INSTITUTO DE  
ASTROFISICA CANARIAS  
UNIV DE LA LAGUNA  
TENERIFE  
SPAIN
- SANCHEZ MANUEL  
INSTITUTO Y OBSERVA-  
TORIO DE MARINA  
SAN FERNANDO CADIZ  
SPAIN
- SANCISI RENZO DR  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 RV GRONINGEN  
THE NETHERLANDS
- SANDAGE ALLAN  
MT WILSON & LAS CAM-  
PANAS OBSERVATORIES  
813 N BARBARA ST  
PASADENA CA 91101  
U.S.A.
- SANDAKOVA E V DR  
KIEV STATE UNIVERSI-  
TY ASTRONOMICAL  
OBSERVATORY  
252053 KIEV  
U.S.S.R.
- SANDELL GORAN HANS L DR  
STOCKHOLM OBS  
S-13300 SALTSJOBADEN  
SWEDEN
- SANDERS R DR  
KAPTEYN LABORATORY  
P O BOX 800  
9700 RV GRONINGEN  
THE NETHERLANDS
- SANDERS W L PROF  
NEW MEXICO STATE  
UNIVERSITY  
BOX 4500  
LAS CRUCES NM 88003  
U.S.A.
- SANDERS WILTON TURNER III  
DEPT OF PHYSICS  
UNIV OF WISCONSIN  
MADISON WI 53706  
U.S.A.
- SANDFORD MAXWELL T II  
LOS ALAMOS SCIENTI-  
FIC LABORATORY  
LOS ALAMOS NM 87545  
U.S.A.

- SANDMANN WILLIAM HENRY  
PHYSICS DEPT  
HARVEY MUDD COLLEGE  
CLAREMONT CA 91711  
U.S.A.
- SANFORD P W MR  
MULLARD SPACE SC LAB  
HOLMBURY ST MARY  
DORKING  
SURREY RH5 6NS  
U.K.
- SANHAL N B DR  
DEPT OF ASTRONOMY  
OSMANIA UNIVERSITY  
HYDERABAD 500 007  
INDIA
- SARAZIN CRAIG L DR  
DEPT OF ASTRONOMY  
UNIV OF VIRGINIA  
POB 3818 UNIV STA  
CHARLOTTESVL VA22903  
U.S.A.
- SARMA M B K PROF  
DEPT OF ASTRONOMY  
OSMANIA UNIVERSITY  
HYDERABAD 500 007  
INDIA
- SARTORI LEO PROF  
BEHLEN LABORATORY OF  
PHYSICS  
UNIVERSITY NEBRASKA  
LINCOLN NE 68588  
U.S.A.
- SASTRY CH V  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560 034  
INDIA
- SATO FUMITAKA PROF  
INSTITUTE OF FUNDAMENTAL PHYSICS  
UNIVERSITY OF KYOTO  
SAKYOKU KYOTO 606  
JAPAN
- SATO NAONJBU DR  
AKITA UNIVERSITY  
AKITA 010  
JAPAN
- SAUVAL JACQUES DR  
OBS ROYAL DE BELG.  
3 AVE CIRCULAIRE  
B-1180 BRUXELLES  
BELGIUM
- SAVEDOFF MALCOLM P PROF  
PHYS AND ASTRON DEPT  
UNIVERSITY ROCHESTER  
BAUSCH AND LOMB BLDG  
ROCHESTER NY 14627  
U.S.A.
- SAWYER HOGG HELEN B DR  
DAVID DUNLAP OBS  
P O BOX 360  
RICHMOND HILL  
ONT L4C 4Y6  
CANADA
- SANDQVIST AAGE DR  
STOCKHOLM  
OBSERVATORY  
S-133 00  
SALTSJÖEBADEN  
SWEDEN
- SANG-GAK LEE  
DEPT OF ASTRONOMY  
CLG OF NATURAL SC  
SEOUL NATIONAL UNIV  
SEOUL 151-00  
REPUBLIC OF KOREA
- SANYAL ASHIT DR  
DEPT OF ASTRONOMY  
PENNA STATE UNIV  
UNIV PK PA 16802  
U.S.A.
- SAREYAN J P DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- SARRIS ELEFTHERIOS PH D  
NAT OBS OF ATHENS  
ASTRONOMICAL INST  
ATHENS 306  
GREECE
- SASAO TETSUO DR  
INTERNATIONAL  
LATITUDE OBSERVATORY  
OF MIZUSAWA  
MIZUSAWA IWATE 023  
JAPAN
- SASTRY SHANKARA K  
DEPT OF ASTRONOMY  
OSMANIA UNIVERSITY  
HYDERABAD 500 007  
INDIA
- SATO KATSUHIKO DR  
RESEARCH INST FOR  
FUNDAMENTAL PHYSICS  
KYOTO UNIVERSITY  
SAKYOKU KYOTO 606  
JAPAN
- SATO SHUJI DR  
DEPT OF PHYSICS  
UNIVERSITY OF KYOTO  
KITASHIRAKAWA  
SAKYOKU KYOTO 606  
JAPAN
- SAVAGE ANN DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- SAVONIJÉ G J DR  
ASTRONOMISCH INST  
UNIV OF AMSTERDAM  
ROETERSSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- SAXENA P P DR  
UTTAR PRADESH  
STATE OBSERVATORY  
MANORA PEAK  
NAINI TAL  
INDIA
- SANDULEAK N DR  
WARNER AND SWASEY  
OBSERVATORY  
CASE WESTERN RES UN  
CLEVELAND OH 44106  
U.S.A.
- SANTIN PAOLO DR  
VIA DUDOVICH 3  
I-34100 TRIESTE  
ITALY
- SAPAR ARVED DR  
IAPH ESTONIAN AC OF  
SCIENCE TORAVERE  
202444 TARTU  
U.S.S.R.
- SARGENT WALLACE L W DR  
HALE OBSERVATORIES  
CALTECH  
1201 E CALIFORNIA ST  
PASADENA CA 91125  
U.S.A.
- SARRIS EMMANUEL T PH D  
DEMOCRITUS UNIV OF  
THRACE  
XANTHI  
GREECE
- SASLAW WILLIAM C PROF  
ASTRONOMY DEPT  
UNIVERSITY VIRGINIA  
BOX 3818 UNIVSTATION  
CHARLOTTESV VA 22903  
U.S.A.
- SATO FUMIO DR  
HYOGO UNIVERSITY OF  
TEACHER EDUCATION  
YASHIRO  
HYOGO 673-14  
JAPAN
- SATO KOICHI DR  
INTERNATIONAL  
LATITUDE OBSERVATORY  
OF MIZUSAWA  
MIZUSAWA IWATE 023  
JAPAN
- SATO YUZO DR  
OSAWA 4-8-19  
MITAKA  
TOKYO 191  
JAPAN
- SAVAGE BLAIR D DR  
DEPT OF ASTRONOMY  
UNIVERSITY WISCONSIN  
475 N.CHARTER STR  
MADISON WI 53706  
U.S.A.
- SAWYER CONSTANCE S DR  
HIGH ALTITUDE OBS  
NCAR  
P O BOX 3000  
BOULDER CO 80301  
U.S.A.
- SCALISE JR EUGENIO DR  
INPE/CRAAM  
AV ASTRONAUTAS 1758  
C P 515  
12200 S JOSE CAMPOS  
BRAZIL

SCALO JOHNMICHAEL DR  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.

SCARGLE JEFFREY D DR  
NASA-AMES RESEARCH  
CENTER MS245-3  
MOFFETT FIELD  
CA 94035  
U.S.A.

SCHAIFERS KARL DR  
LANDESSTERNWART  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

SCHARLEMANN ERNST T DR  
DEPT OF ASTRONOMY  
COLUMBIA UNIV  
BOX 98 PUPIN  
NEW YORK NY 10027  
U.S.A.

SCHATZMAN EVRY PROF  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE

SCHNEID PAULO LEITE DR  
OBS NACIONAL  
R GENERAL BRUCE 596  
20000 RIO DE JANEIRO  
BRAZIL

SCHERRER PHILIP H DR  
INST OF PLASMA RES  
STANFORD UNIV  
VIA CRESPI  
STANFORD CA 94305  
U.S.A.

SCHILIZZI RICHARD T DR  
RADIOSTERENWACHT  
POSTBUS 2  
7990 AA WINGFLOO  
THE NETHERLANDS

SCHKODROV V G DR  
DEPT OF ASTRONOMY  
7TH NOVEMBER ST 1  
SOFIA  
BULGARIA

SCHLOSSER WOLFHARD PROF  
ASTRONOMISCHES  
INSTITUT  
POSTFACH 102148  
D-4630 BOCHUM  
GERMANY, F.R.

SCHMADEL LUTZ D DR  
ASTRONOMISCHES  
RECHEN-INSTITUT  
MOENCHSTR 12-14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

SCHMALBERGER DONALD C DR  
DUDLEY OBSERVATORY  
1202 TROY-  
SCHENECTADY RD  
LATHAM NY 12110  
U.S.A.

SCALTRITI FRANCO DR  
OSSERVATORIO ASTRON-  
OMICO  
PINO TORINESE  
TORINO  
ITALY

SCARROTT STANLEY M DR  
PHYSICS DEPT  
UNIV OF DURHAM  
SOUTH ROAD  
DURHAM DH1 3LE  
U.K.

SCHALEN CARL PROF  
LUND OBSERVATORY  
SVANEGATAN 9  
S-222 24 LUND  
SWEDEN

SCHARMER GOERAN BJARNE  
STOCKHOLM OBS  
S-133 00  
SALTSJÖEBADEN  
SWEDEN

SCHIEPMACKER ANTON DR  
COSM RAY WORK GROUP  
HUYGENS LABORATORY  
WASSENAARSEWEG 78  
2300 RA LEIDEN  
THE NETHERLANDS

SCHNEIDER JEAN-PAUL DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE

SCHUEER PETER A G DR  
CAVENDISH LABORATORY  
MADINGLEY RD  
CAMBRIDGE CB3 0HE  
U.K.

SCHILLER KARL PROF DR  
PIRSCH-WEG 6  
D-6072 DREIEICH-  
BUCHSCHLAG  
GERMANY, F.R.

SCHLESINGER BARRY M DR  
SYSTEMS AND APPLIED  
SCIENCES CORPORATION  
6811 KENTWORTH AVE  
RIVERDALE MD 20840  
U.S.A.

SCHLUETER A PROF DR  
MPI F PLASMAPHYSIK  
D-8046 GARCHING  
GERMANY, F.R.

SCHMAHL EDWARD J DR  
ASTRONOMY PROGRAM  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.

SCHMEIDLER F PROF DR  
INSTITUT F ASTRONO-  
MIE UND ASTROPHYSIK  
SCHEINERSTR 1  
D-8000 MUENCHEN 80  
GERMANY, F.R.

SCARFE COLIN D DR  
DEPT OF PHYSICS  
UNIV OF VICTORIA  
P O BOX 1700  
VICTORIA BC V8W 2Y2  
CANADA

SCHADEE AERT DR  
STERREWACHT  
SONNENBORGH  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS

SCHANDA ERWIN PROF  
INST OF APPLIED  
PHYSICS  
SIDLERSTR 5  
CH-3012 BERN  
SWITZERLAND

SCHATTEN K H DR  
PHYSICS DEPT  
VICTORIA UNIVERSITY  
PRIVATE BAG  
WELLINGTON  
NEW ZEALAND

SCHIEFLER HELMUT PROF  
LANDESSTERNWART  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

SCHERB FRANK PROF  
PHYSICS DEPT  
UNIVERSITY WISCONSIN  
MADISON WI 53706  
U.S.A.

SCHILD RUDOLPH E DR  
CTR F ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

SCHINDLER KARL PROF DR  
LEHRSTUHL FUER  
THEORETISCHE PHYSIK  
RUHR-UNIVERSITAET  
D-4630 BOCHUM  
GERMANY, F.R.

SCHLICKFISER REINHARD DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

SCHLUETER DIETER PROF  
INST THEO PHY STERNW  
NEUE UNIV PHYSIK ZTM  
OLSHAUSENST GR N 61C  
D-2300 KIEL 1  
GERMANY, F.R.

SCHMAHL GUENTER PROF  
UNIVERSITAETS-  
STERNWART  
GEISMARLANDSTR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.

SCHMID-BURGK J DR  
MPI RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN 1  
GERMANY, F.R.

SCHMIDT EDWARD G  
DEPT OF PHYSICS  
UNIVERSITY OF  
NEBRASKA  
LINCOLN NB 68588  
U.S.A.

SCHMIDT K H DR  
ZINTRINST ASTROPHYSIK  
STERNW BABELSBERG  
ROSA LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.

SCHMIDT-KALER TH PROF  
STEINHUEGEL 105  
D-5810 WITTEN  
GERMANY, F.R.

SCHNELL ANNEISE DR  
INST FUER ASTRONOMIE  
UNIVERSITAT WIEN  
TUERKENSCHANZST 17  
A-1180 WIEN  
AUSTRIA

SCHOBBER HANS J DR  
ASTRONOMISCHES INST  
DER UNIVERSITAET  
UNIVERSITAETSPLATZ 5  
A-8010 GRAZ  
AUSTRIA

SCHOENBERNER DETLEF PH D  
INST F THEOR PHYSIK  
UND UNIV STERNWARTE  
OLSHAUSENSTRASSE  
D-2300 KIEL  
GERMANY, F.R.

SCHOLL HANS DR  
ASTRONOMISCHES  
RECHEN-INSTITUT  
MOENCHHOFSTR 12-14  
D-6900 HEIDELBERG  
GERMANY, F.R.

SCHOMBERT JOHN L MR  
21920 DAVIS MILL RD  
GERMANTOWN MD 20767  
U.S.A.

SCHRIJVER J DR  
LABORATORIUM VOOR  
RUIMTEONDERZOEK  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS

SCHROETER EGON H PROF  
KIEPENHEJER INST  
FUER SONNENPHYSIK  
SCHOENECKSTRASSE 6  
D-7800 FREIBURG I BR  
GERMANY, F.R.

SCHRUTKA RECHTENSTAMM  
GUNTAM PROF DR  
WILLERGASSE 27/4/7  
A-1238 WIEN  
AUSTRIA

SCHUERER MAX PROF  
ASTRONOMISCHES INST  
UNIVERSITAET BERN  
SIDLERSTR 5  
CH-3012 BERN  
SWITZERLAND

SCHMIDT H U DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.

SCHMIDT MAARTEN PROF  
CALTECH  
ASTRONOMY 105-24  
PASADENA CA 91125  
U.S.A.

SCHMIEDER B DR  
DBS DE MEUDON  
F-92190 MEUDON  
FRANCE

SCHNOPPER HERBERT W DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

SCHOEFFEL EBERHARD F DR  
MERIANESTRASSE 42  
D-86 BAMBERG  
GERMANY, F.R.

SCHOENEICH W DR  
ZINTRINST ASTROPHYSIK  
ASTROP OBSERVATORIUM  
TELEGRAFENBERG  
DDR-15 POTSDAM  
G.D.R.

SCHOLZ GERHARD DR  
ZENTR INST ASTROPHYS  
DER ADW DER DDR  
ROSA-LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.

SCHOOLMAN STEPHEN A DR  
LOCKHEED PA RES LAB  
3251 HANOVER ST  
PALO ALTO CA 94304  
U.S.A.

SCHROEDER DANIEL J PROF  
DEPT PHYS AND ASTRON  
BELOIT COLLEGE  
BELOIT WI 53511  
U.S.A.

SCHROLL ALFRED DR  
SONNENOBSERVATORIUM  
KANZELHOEHE  
A-9520 SATTENDORF  
AUSTRIA

SCHUBART JOACHIM DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHHOFSTR 12-14  
D-6900 HEIDELBERG  
GERMANY, F.R.

SCHUESSLER MANFRED DR  
UNIVERSITAETSSTERN-  
WARTE  
GEISMARLANDSTR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.

SCHMIDT HANS PROF  
UNIVERSITAETS-  
STERNWARTE BONN  
AUF DEM HUEGEL 71  
D-5300 BONN 1  
GERMANY, F.R.

SCHMIDT THOMAS DR  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG  
GERMANY, F.R.

SCHMITTER EDWARD F DR  
DEPT OF PHYSICS  
UNIVERSITY OF LAGOS  
AKOKA LAGOS  
NIGERIA

SCHNUR G F O  
ESO ADMINISTRATION  
ALONSO CORDOBA 3107  
VITACURA CAS 11 P  
SANTIAGO DE CHILE  
CHILE

SCHOEMBS ROLF DR  
INST FUER ASTRONOMIE  
ASTROPHYSIK  
SCHEINERSTR 1  
D-8000 MUENCHEN 81  
GERMANY, F.R.

SCHDENEFLDER VOLKER DR  
MPI F EXTRATERRE-  
STRISCHE PHYSIK  
D-8046 GARCHING  
GERMANY, F.R.

SCHOLZ V PROF  
INST F THEORETISCHE  
ASTROPHYSIK DER UNIV  
NEUENHEIMER FELD 294  
D-6900 HEIDELBERG  
GERMANY, F.R.

SCHRAMM DAVID N PROF  
UNIVERSITY CHICAGO  
EFI-LAB-205  
933 E 55TH ST  
CHICAGO IL 60637  
U.S.A.

SCHROEDER ROLF DR  
HAMBURGER STERNWARTE  
GOJENBERGSWEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.

SCHRUOFFER EBERHARD DR  
INST F ASTROPHYSIK  
UNIVERSITAET BONN  
AUF DEM HUEGEL 71  
D-5300 BONN 1  
GERMANY, F.R.

SCHUECKING E L DR  
DEPT OF PHYSICS  
NEW YORK UNIVERSITY  
NEW YORK NY 10012  
U.S.A.

SCHULER WALTER DR  
STERNWARTE DER  
KANTONSSCHULE  
CH-4500 SOLOTHURN  
SWITZERLAND

- SCHULTE D H DR  
ITEK CORPORATION  
10 MAGUIRE ROAD  
LEXINGTON MA 02173  
U.S.A.
- SCHULZ G V DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- SCHULZ HARTMUT DR  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- SCHUMANN JOERG DIETER DR  
OBS HOHER LIST  
UNIV STERNWARTEN BONN  
D-5568 DAUN  
GERMANY, F.R.
- SCHUSTER HANS-EMIL PH D  
EUROPEAN SOUTHERN OB  
CAS 16317 CORRED 9  
ALONSO CORDOVA 3107  
SANTIAGO  
CHILE
- SCHUSTER WILLIAM JOHN DR  
INSTITUTO DE  
ASTRONOMIA UNAM  
APOD POSTAL 877  
ENSENADA BC  
MEXICO
- SCHUTZ BERNARD F DR  
APPLIED MATHEMATICS  
AND ASTRONOMY  
UNIVERSITY COLLEGE  
CARDIFF CF1 1XL  
U.K.
- SCHUTZ BOB EWALD  
DEPT OF AEROSPACE  
ENG & ENG MECHANICS  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- SCHWAN HEINER DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHHOEFSTR 12-14  
D-6900 HEIDELBERG  
GERMANY, F.R.
- SCHWARTZ DANIEL A DR  
CENTER FOR ASTROPHYS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- SCHWARTZ PHILIP R DR  
NAVAL RESEARCH LAB  
CODE 7138  
WASHINGTON DC 20375  
U.S.A.
- SCHWARTZ RICHARD D  
ASST PROF DEPT PHYS  
UNIVERSITY MISSOURI  
8001 NAT BRIDGE RD  
ST LOUIS MO 63121  
U.S.A.
- SCHWARTZ ROLF PH D  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN 1  
GERMANY, F.R.
- SCHWARTZ STEVEN JAY  
DEPT OF APPLIED MATH  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- SCHWARZ JLRICH J DR  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- SCHWARZSCHILD MARTIN PROF  
PRINCETON UNIVERSITY  
OBSERVATORY  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- SCHWEIZER FRANCOIS DR  
DEPT OF TERRESTRIAL  
MAGNETISM  
5241 BROAD BR RD NW  
WASHINGTON DC 20015  
U.S.A.
- SCHWERDTFEGER H DR  
ASTRONOMISCHES  
RECHEN-INSTITUT  
MOENCHHOEFSTR 12-14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- SCIAMA DENNIS W DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RD  
U.K.
- SCONZU PASQUALE DR  
29 OLD MYSTIC ST  
ARLINGTON MA 02174  
U.S.A.
- SCOTT ELIZABETH L PROF  
STATISTICS LAB  
UNIVERSITY OF CALIF  
367 EVANS HALL  
BERKELEY CA 94720  
U.S.A.
- SCOTT EUGENE HOWARD  
NASA-AMES RESEARCH  
CTR MAIL STOP 245-3  
MOFFETT FIELD  
CA 94035  
U.S.A.
- SCOTT JOHN S DR  
ASTRONOMY PROGRAM  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- SCOTT PAUL F DR  
CAVENDISH LABORATORY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.
- SCOVILLE NICHOLAS Z  
ASTRO-PHYSICS DEPT  
UNIVERSITY OF MASS  
GRADUATE RES CENTER  
AMHERST MA 01003  
U.S.A.
- SCUFLAIRE RICHARD DR  
INST D'ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
5 AVENUE DE COINTE  
B-4200 COINTE-DUGREE  
BELGIUM
- SEAQUIST ERNEST R PROF  
DEPT OF ASTRONOMY  
UNIVERSITY  
TORONTO ONT M5S 1A7  
CANADA
- SEARLE L DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.
- SEARS RICHARD LANGLEY DR  
DEPT OF ASTRONOMY  
UNIV OF MICHIGAN  
PHYSICS-ASTRO BLDG  
ANN ARBOR MI 48109  
U.S.A.
- SEATON MICHAEL J PROF  
DEPT PHYS AND ASTRON  
UNIV COLLEGE LONDON  
GOWER ST  
LONDON WC1E 6BT  
U.K.
- SEDDON HARRY MR  
ROYAL OBSERVATORY  
EDINBURGH EH9 3JH  
U.K.
- SEDLMAYER ERWIN DR  
INST FUER ASTRON UND  
ASTROPHYSIK DER TU  
ERNST-REUTER-PLATZ 7  
D-1000 BERLIN 10  
GERMANY, F.R.
- SEDMAK GIORGIO DR  
OBSERVATORIO ASTRONO  
MICO DI TRIESTE  
VIA TIEPOLO 11  
I-34131 TRIESTE  
ITALY
- SEEGER CHARLES LOUIS III  
SAN FRANCISCO STATE  
UNIVERSITY  
473 JAMES ROAD  
PALO ALTO CA 94306  
U.S.A.
- SEEGER PHILIP A DR  
LOS ALAMOS SCIENTI-  
FIC LABORATORY  
LOS ALAMOS NM 87545  
U.S.A.
- SEGAL IRVING E DR  
MIT  
2-224  
CAMBRIDGE MA 02139  
U.S.A.

- SEGALUVITZ ALEXANDER DR  
11 HABANIM ST  
KEFAR SAVA  
ISRAEL
- SEIDELMANN P KENNETH DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- SEIRADAKIS J H DR  
MPI FUER RADIOASTRON  
AUF DEM HUEGEL 69  
D-5300 BUNN 1  
GERMANY, F.R.
- SEKI MUEVZO DR  
ASTRONOMICAL INST  
TOHOKU UNIVERSITY  
KAWAUCHI  
SENDAI 980  
JAPAN
- SELVELLI PIERLUIGI DR  
OSS ASTRONOMIC  
VIA TIEPOLD 11  
I-34131 TRIESTE  
ITALY
- SEN S N DR  
INDIAN ASSN FOR THE  
CULTIVATION OF SC  
JADAVPUR  
INDIA
- SERSIC J L DR  
OBSERVATORIO  
ASTRONOMICO  
5000 CORDOBA  
ARGENTINA
- SESSIN WAGNER DR  
INST TECNOLOGICA DE  
AERONAUTICA  
DEPTO DE ASTRONMIA  
12200 S JOSE CAMPOS  
BRAZIL
- SEVERNYJ A B PROF DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- SEZER GENGIZ DR  
EGE UNIVERSITY  
FACULTY OF SCIENCE  
BORNova-IZMIR  
TURKEY
- SHAHAM JACOB PROF  
RACAH INSTITUTE OF  
PHYSICS  
HEBREW UNIVERSITY  
JERUSALEM 91000  
ISRAEL
- SHAKHBAZIAN YURIJ L DR  
PULKOVO OBSERVATORY  
196140 ENINGRAD  
U.S.S.R.
- SEGGEWISS WILHELM DR  
OBSERVATORIUM  
HOHER LIST  
D-5568 DAUN EIFEL  
GERMANY, F.R.
- SEIDOV ZAKIR F DR  
SHEMAKHA ASTRO-  
PHYSICAL OBSERVATORY  
373243 SHEMAKHA AZER  
U.S.S.R.
- SEITTER WALTRAUT C PROF  
ASTRONOMISCHES INST  
STEINFURTER STR 107  
D-4400 MUENSTER/W  
GERMANY, F.R.
- SEKIGUCHI NAOSUKE DR  
TOKYO ASTRONOMIC  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- SEMEL MEIR DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- SENGBUSCH KURT V DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FCEHRINGER RING 40  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- SERVAJEAN ROGER DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- SETTI GIANCARLO PROF  
LABORATORIO RADIOAST  
ISTITUTO DI FISICA  
VIA IRNERIO  
I-40126 BOLOGNA  
ITALY
- SEVILLA MIGUEL J DR  
ALMANSA 76  
MADRID 20  
SPAIN
- SHAFFER DAVID B DR  
CODE 974  
NASA/GFSC  
GREENBELT MD 20771  
U.S.A.
- SHAHBAZIAN ROMELIA K DR  
BYURAKAN ASTRO-  
PHYSICAL OBSERVATORY  
378433 BYURAKAN ARM  
U.S.S.R.
- SHAKHOVSKOJ N M DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- SEHNAL LADISLAV DR  
ASTRONOMICAL INST  
CSAV  
25165 ONDREJOV  
CZECHOSLOVAKIA
- SEIFELSTAD GEORGE A  
OWENS VALLEY RADIO  
OBSERVATORY  
PO BOX 387  
BIG PINE CA 93513  
U.S.A.
- SEKANINA ZDENEK DR  
EARTH SPACE SCS DIV  
JPL  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- SELLWOOD JEREMY ARTHUR  
INSTITUTE OF  
ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- SEMENIUK IRENA DR  
ASTRONOMICAL OBS  
UL UJAZDOWSKIE 4  
00478 WARZAWA  
POLAND
- SERRANO ALFONSO DR  
INST DE ASTRONOMIA  
UNAM  
APDO POSTAL 70-264  
MEXICO DF  
MEXICO
- SERVAN BERNARD  
OBS DE PARIS  
61 AV DE L'OBS  
F-75014 PARIS  
FRANCE
- SEVARLIC BRANISLAV M PROF  
DEPT OF ASTRONOMY  
UNIVERSITY BELGRAD  
VOLGINA 7  
11050 BEOGRAD  
YUGOSLAVIA
- SEYMOUR P A H  
57 HERMITAGE ROAD  
PLYMOUTH DEVON  
U.K.
- SHAH GHANSHYAM A DR  
INDIAN INST ASTROPHY  
SARJAPUR RD  
KORAMANGALA  
BANGALORE 560 034  
INDIA
- SHAKESHAFT JOHN R DR  
CAVENDISH LABORATORY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.
- SHAKURA N I DR  
STERNBERG STATE AS-  
TRONOMIC INSTITUTE  
117234 MOSCOW  
U.S.S.R.



- SHALLIS MICHAEL J DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RQ  
U.K.
- SHALTOU MESALAM A M DR  
HELWAN OBSERVATORY  
HELWAN  
ARAB REP. OF EGYPT
- SHANE C D ASTRONOMER  
BOX 582  
SANTA CRUZ CA 95061  
U.S.A.
- SHANE W W DR  
STERRENKUNDIG INST  
KATH UNIV  
TOERNOOIVELD  
6525 ED NIJMEGEN  
THE NETHERLANDS
- SHAO CHING-YUAN  
HARVARD COLLEGE  
OBSERVATORY  
60 GARDEN STR  
CAMBRIDGE MA 02138  
U.S.A.
- SHAPIRO IRWIN I PROF  
54-620 MIT  
CAMBRIDGE MA 02139  
U.S.A.
- SHAPIRO MAURICE M  
LAB FOR COSMIC RAY  
PHYSICS CODE 7020  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.
- SHAPIRO STUART L  
ASST PROF  
CRSR  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- SHAPLEY ALAN H  
NOAA  
BOULDER CO 80302  
U.S.A.
- SHARA MICHAEL DR  
DEPT OF PHYSICS  
ARIZONA STATE UNIV  
TEMPE AZ 85281  
U.S.A.
- SHARAF SH G DR  
INSTITUTE OF THEORE-  
TICAL ASTRONOMY  
192187 LENINGRAD  
U.S.S.R.
- SHAROV A S DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- SHARPLESS STEWART PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY ROCHESTER  
ROCHESTER NY 14627  
U.S.A.
- SHAVER PETER A DR  
ESO  
K-SCHWARZSCHILD-ST 2  
D-8046 GARCHING  
GERMANY, F.R.
- SHAVIV GIORA DR  
DEPT OF PHYSICS  
TEL-AVIV UNIVERSITY  
RAMAT-AVIV  
TEL-AVIV  
ISRAEL
- SHAW J SCOTT DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY GEORGIA  
ATHENS GA 30602  
U.S.A.
- SHAW JOHN H PROF  
174 W 18TH AVE  
COLUMBUS OH 43210  
U.S.A.
- SHAW R WILLIAM PROF  
CORNELL UNIVERSITY  
105 HALCYON HILL  
ITHACA NY 14850  
U.S.A.
- SHAWHAN STANLEY D DR  
DEPT PHYSICS ASTRON  
UNIV OF IOWA  
IOWA CITY IA 52242  
U.S.A.
- SHAWL STEPHEN J DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY OF KANSAS  
LAWRENCE KS 66045  
U.S.A.
- SHCHEGLOV P V DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- SHCHEGLJ V P PROF DR  
ASTRONOMICAL INSTITU  
TE UZBEKIAN ACADEMY  
OF SCIENCES  
700000 TASHKENT  
U.S.S.R.
- SHCHEGOLEV DIMITRIJ E DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- SHCHERBINA-SAMOJLOVA I S  
INSTITUTE OF SCIENCE  
AND TECHNIQS INFORMA  
TION  
125219 MOSCOW  
U.S.S.R.
- SHEA MARGARET A DR  
AIR FORCE GEOPHYSICS  
LAB PHC  
HANSCOM AFB MA 01732  
U.S.A.
- SHEELEY NEIL R DR  
CODE 7140NS  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.
- SHEFFER ERGENIJ K DR  
STERNBERG STATE  
ASTRONOMICAL INST  
117234 MOSCOW  
U.S.S.R.
- SHELUS PETER J DR  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
R L M 15-316  
AUSTIN TX 78712  
U.S.A.
- SHEN BENJAMIN S P PROF  
DEPT ASTRONOMY E1  
UNIVERSITY OF  
PENNSYLVANIA  
PHILADELPHIA PA19104  
U.S.A.
- SHEN CHUN-SHAN PRESIDENT  
ASTRO SOCIETY CHINA  
DEAN SC-100L OF SC  
NAT TSING-HUA UNIV  
HSIN-CHU 300  
TAIWAN
- SHEN LIANG-ZHAO  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- SHEN LONG-XIANG  
BEIJING OBSERVATORY  
ACADEMIA SINICA  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- SHEN ZEE DR  
DEPT OF MATHEMATICS  
NATIONAL TAIWAN UNIV  
TAIPEI  
TAIWAN
- SHER DAVID DR  
2837 MINTO DR APT 2  
CINCINNATI OH 45208  
U.S.A.
- SHERIDAN K V DR  
C S I R O  
DIV OF RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- SHERWOOD WILLIAM A DR  
MPI FUER RADIO  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

## LIST OF MEMBERS

- SHEVCHENKO V V DR  
STERNBERG STATE ASTRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- SHIBAHASHI HIROMOTO DR  
DEPT OF ASTRONOMY  
UNIV OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- SHIBATA YUKIO DR  
RESEARCH INST SCIENTIFIC MEASUREMENTS  
TOHOKU UNIVERSITY  
SENDAI 980  
JAPAN
- SHIMIZU MIKIO ASST PROF  
INST SPACE AERON SC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO KU  
TOKYO 153  
JAPAN
- SHINE RICHARD A DR  
NASA GSFC  
CODE 685  
GREENBELT MD 20771  
U.S.A.
- SHIVANANDAN KANDIAH DR  
NAVAL RESEARCH LAB  
CODE 7122 1  
WASHINGTON DC 20375  
U.S.A.
- SHOEMAKER E  
BRANCH ASTROGEOLOG ST  
US GEOLOGICAL SURVEY  
2255 N GEMINI DRIVE  
FLAGSTAFF AZ 86001  
U.S.A.
- SHORE BRUCE W  
LAWRENCE LIVERMORE  
LABORATORY  
LIVERMORE CA 94550  
U.S.A.
- SHTEINS K A DR  
LATVIAN STATE UNIVER  
SITY ASTRONOMICAL  
OBSERVATORY  
226098 RIGA  
U.S.S.R.
- SHUKRE C S DR  
CSIRO  
DIV OF RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- SHULL JOHN MICHAEL  
UNIV OF COLORADO  
JILA  
BOULDER CO 80309  
U.S.A.
- SHUTER WILLIAM L H DR  
DEPT OF PHYSICS  
UNIVERSITY OF BC  
2075 WESTBROOK MALL  
VANCOUVER BC V6T 1W5  
CANADA
- SIDLICHOVSKY MILOŠ DR  
ASTRONOMICAL INST  
CSAV  
BUDEČSKA 6  
120 23 PRAHA 2  
CZECHOSLOVAKIA
- SHI GUANG-CHEN  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- SHIELDS GREGORY A DR  
DEPT OF ASTRONOMY  
RLM 15 212  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- SHIMIZU TSUTOMU PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF KYOTO  
SAKYOKU KYOTO 606  
JAPAN
- SHIPMAN HENRY L DR  
PHYSICS DEPT  
UNIV OF DELAWARE  
NEWARK DE 19711  
U.S.A.
- SHKLOVSKY I S DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.
- SHOLOMITSKY G B DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SC  
117810 MOSCOW  
U.S.S.R.
- SHORE STEVEN N  
WARNER & SWASEY OBS  
CASE WESTERN RESERVE  
UNIVERSITY  
CLEVELAND OH 44106  
U.S.A.
- SHU FRANK H PROF  
ASTRONOMY DEPT  
UNIV OF CALIFORNIA  
CAMPBELL HALL  
BERKELEY CA 94720  
U.S.A.
- SHUL MAN L M DR  
MAIN ASTRONOMICAL OB  
SERVATORY UKRAINIAN  
ACADEMY OF SCIENCES  
252127 KIEV  
U.S.S.R.
- SHULOV D S DR  
LENINGRAD STATE UNI  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- SIBILLE FRANÇOIS  
OBSERVATOIRE DE LYON  
F-69230 ST-GENIS  
LAVAL  
FRANCE
- SIEBER WOLFGANG PH D  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN I  
GERMANY, F.R.
- SHIM WOON-TAIK PROF  
236-53 SINDAN-DONG  
JOONG-KU  
SEOUL 100  
REPUBLIC OF KOREA
- SHIMMINS A J  
AUSTRALIAN NAT RADIO  
ASTRONOMY OBS  
P O BOX 276  
PARKES NSW 2870  
AUSTRALIA
- SHIRYAEV A V DR  
LENINGRAD STATE UNI  
VERSITY ASTRONOMICAL  
OBSERVATORY  
199178 LENINGRAD  
U.S.S.R.
- SHOBBROOK ROBERT R DR  
CHATTERTON DEPT OF  
ASTRONOMY  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- SHOR VIKTOR A DR  
INST THEOR ASTRONOMY  
NABEREZHNYAYA  
KUTUZOVA 10  
192187 LENINGRAD  
U.S.S.R.
- SHOSTAK G S DR  
KAPTEYN ASTRON INST  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- SHUKLA K  
DEPT OF MATHEMATICS  
AND ASTRONOMY  
LUCKNOW UNIVERSITY  
LUCKNOW U P  
INDIA
- SHULBERG A M DR  
ODESSA STATE UNIVER  
SITY ASTRONOMICAL  
OBSERVATORY  
270014 ODESSA  
U.S.S.R.
- SHUSTOV BORIS M DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SC  
PYATNITSKAYA 48  
109017 MOSCOW  
U.S.S.R.
- SIDA DERRICK W PROF  
DEPT OF PHYSICS  
CARLETON UNIVERSITY  
OTTAWA K1S 5B6  
CANADA
- SIEGEL C L  
UNIVERSITAET  
GOETTINGEN  
BUNSENSTR 3-5  
D-3400 GOETTINGEN  
GERMANY, F.R.

- SIENKIEWICZ RYSZARD DR  
N COPERNICUS ASTRON  
CENTER  
BARTYCKA 18  
00-716 WARSAW  
POLAND
- SILK JOSEPH I PROF  
ASTRONOMY DEPT  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- SIM MARY F DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- SIMTEN FRANCOIS DR  
OBS DE MARSEILLE  
2 PLACE LE VERRIER  
F-13248 MARSEILLE C4  
FRANCE
- SIMMONS J F L  
31 HAVELJCK STREET  
GLASGOW G11 5HA  
U.K.
- SIMON GEORGE W DR  
SACRAMENTO PEAK  
OBSERVATORY  
SUNSPOT NM 98349  
U.S.A.
- SIMON NORMAN R ASSOC PROF  
BEHLEN LAB PHYSICS  
UNIVERSITY NEBRASKA  
LINCOLN NB 68588  
U.S.A.
- SIMON RENE L E PROF  
INSTITUT  
D ASTROPHYSIQUE  
B-4200 COINTE-LIEGE  
BELGIUM
- SIMONS STJART DR  
170 HOLMFIELD ROAD  
LONDON N16 5PY  
U.K.
- SIMS KENNETH P DR  
SYDNEY OBSERVATORY  
SYDNEY N S W 2000  
AUSTRALIA
- SINHA RAMESHWAR P  
5512 S WICK ST  
BETHESDA MD 20034  
U.S.A.
- SINHAL SHAMBHU DAYAL DR.  
KUMAUN UNIVERSITY  
NAINI TAL 263001  
INDIA
- SIGNORE M DR  
OBS DE PARIS  
61 AV DE L'JBS  
F-75014 PARIS  
FRANCE
- SILVERBERG ERIC C DR  
MCDONALD OBSERVATORY  
UNIVERSITY OF TEXAS  
BOX 1337  
FORT DAVIS TX 79734  
U.S.A.
- SIMA ZDISLAV  
ASTRONOMICAL INST  
CZECH ACADEMY OF SC  
BUDĚČSKA 6  
12023 PRAHA 2  
CZECHOSLOVAKIA
- SIMKIN SUSAN M DR  
MT STROMLO OBSERVA-  
TORY  
CANBERRA ACT 2606  
AUSTRALIA
- SIMO CHARLES DR  
PJE MARIMON 11  
BARCELONA 21  
SPAIN
- SIMON J L MR  
BUREAU D LONGITUDES  
77 AVENUE DENFERT-  
ROCHEBEAU  
F-75014 PARIS  
FRANCE
- SIMON PAUL A DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- SIMON THEODORE  
INST FOR ASTRONOMY  
UNIV OF HAWAII  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.
- SIMONSON S CHRISTIAN DR  
1061 RUSSELL AVE  
LOS ALTOS CA 94022  
U.S.A.
- SINCLAIR ANDREW T DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- SINNERSTAD ULF E PROF  
STOCKHOLMS  
OBSERVATORIUM  
S-13300 SALTSJOBADEN  
SWEDEN
- SINZI AKIRA M DR  
HYDROGRAPHIC DEPT  
TSUKIJI 5 CHUD KU  
TOKYO 104  
JAPAN
- SILBERBERG REIN DR  
NAVAL RESEARCH LAB  
CODE 7028  
WASHINGTON DC 20375  
U.S.A.
- SILVESTRO GIOVANNI  
ISTITUTO DI FISICA  
GENERALE DELL UNIV  
CR M D AZEGLIO 46  
I-10125 TORINO  
ITALY
- SIMEK MILOS DR  
ASTRONOMICAL INST  
CZECH ACAD SCIENCES  
OBSERVATORY  
251 65 ONDREJOV  
CZECHOSLOVAKIA
- SIMMONEAU E DR  
INST D ASTROPHYSIQUE  
98 BIS BO ARAGO  
F-75014 PARIS  
FRANCE
- SIMODA MAHIRO PROF  
DEPT ASTRON/EARTH SC  
TOKYO GAKUGEI UNIV  
KOGANEI  
TOKYO 184  
JAPAN
- SIMON MICHAL PROF  
DEPT EARTH SPACE SC  
STATE UNIVERSITY OF  
NEW YORK  
STONY BROOK NY 11794  
U.S.A.
- SIMON PAUL C DR  
AV MANOIR D'ANJOU 14  
B-1150 BRUXELLES  
BELGIUM
- SIMONENKO ALLA N DR  
ASTRON COUNCIL  
USSR ACADEMY OF SCS  
PYATNITSKAYA 48  
109017 MOSCOW  
U.S.S.R.
- SIMOVLEJEVITCH JOVAN L DR  
DEPT OF ASTRONOMY  
FACULTY OF SCIENCES  
STUDENTSKI TRG 16  
11000 BEOGRAD  
YUGOSLAVIA
- SINGH PATAN DEEN DR  
UNIV DE SAO PAULO  
INST ASTRO/GEOFISICO  
CAIXA POSTAL 30627  
01000 SAO PAULO SP  
BRAZIL
- SINTON WILLIAM M  
UNIV OF HAWAII  
INST FOR ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.
- SION EDWARD MICHAEL  
DEPT OF ASTRONOMY  
VILLANOVA UNIV  
VILLANOVA PA 19085  
U.S.A.

SIRY JOSEPH W  
4438 42ND ST N W  
WASHINGTON DC 20016  
U.S.A.

SITARSKI GRZEGORZ DR  
CTR FOR SPACE RES  
UL BARTYCKA 18  
00716 WARSAW  
POLAND

SIVAN J P DR  
LAB D'ASTRON SPAT  
TRAVERSE DU SIPHON  
LES TRUIS LUCS  
F-13012 MARSEILLE  
FRANCE

SKALAFURIS ANGELO J  
MATH RESEARCH CTR  
NAVAL RESEARCH LAB  
C7840  
WASHINGTON DC 20375  
U.S.A.

SLADE MARTIN A III DR  
JPL  
264-720  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.

SLETTEBAK ARNE PROF  
PERKINS OBSERVATORY  
DELAWARE OH 43015  
U.S.A.

SMAK JOSEPH I PROF  
COPERNICUS ASTRONOMI  
CAL CENTER  
UL BARTYCKA 18  
00 716 WARSAW  
POLAND

SMITH ALEX G PROF  
DEPT PHYSICS AND  
ASTRONOMY  
231 SPACE SC BLDG  
GAINESVILLE FL 32611  
U.S.A.

SMITH BRADFORD A PROF  
DEPT OF PLANETARY  
SCIENCES  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.

SMITH DEAN F DR  
BERKELEY RESEARCH  
ASSOCIATES  
BOX 983  
BERKELEY CA 94701  
U.S.A.

SMITH GEOFFREY DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
CXFORD OX1 3RQ  
U.K.

SMITH HAYWOOD C DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
SOUTH FLORIDA  
TAMPA FL 33620  
U.S.A.

SISSON GEORGE M MR  
PLANETREES WALL  
HEXHAM NE46 4EQ  
U.K.

SITNIK G F DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.

SIVARAMAN K R DR  
INDIAN INSTITUTE OF  
ASTROPHYSICS  
BANGALORE 560034  
INDIA

SKILLING JOHN DR  
DEPT APPLIED  
MATHS AND THEO PHYS  
SILVER STREET  
CAMBRIDGE CB3 9EW  
U.K.

SLEBARSKI TADEUSZ DR  
UNIVERSITY OBS  
BUCHANAN GARDENS  
ST ANDREWS FIFE  
KY16 9LZ  
U.K.

SLONIM E M DR  
ASTRONOMICAL INSTITU  
TE UZBEKIAN ACADEMY  
OF SCIENCES  
700000 TASHKENT  
U.S.S.R.

SMEYERS PAUL PROF  
ASTRONOMISCH INST  
NAAMSESTRAAT 51  
B-3000 LEUVEN  
BELGIUM

SMITH ANDREW M DR  
CODE 672  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.

SMITH BRUCE F DR  
THEORET & PLAN STUD  
BR 245-3  
NASA-AMES RES CTR  
MOFFETT FLD CA 94035  
U.S.A.

SMITH ELSKE V P DR  
DEAN SCHOOL ARTS & SC  
VIRG COMMONW UNIV  
901 W FRANKLIN ST  
RICHMOND VA 23284  
U.S.A.

SMITH HARDING E JR DR  
PHYSICS DEPT C-011  
UNIV OF CALIFORNIA  
SAN DIEGO  
LA JOLLA CA 92093  
U.S.A.

SMITH HENRY J DR  
NASA HEADQUARTERS  
CODE 5G  
WASHINGTON DC 20546  
U.S.A.

SISTERO ROBERTO F DR  
OBSERVATORIO  
ASTRONOMICO  
LAPRIDA 854  
5000 CORJOBA  
ARGENTINA

SITTERLY CHARLOTTE M DR  
3711 BRANDYWINE STNW  
WASHINGTON DC 20016  
U.S.A.

SJOGREN WILLIAM L DR  
JPL  
MS 264-738  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.

SKUMANICH ANDRE PROF  
HIGH ALTITUDE  
OBSERVATORY  
PO BOX 3000  
BOULDER CO 80307  
U.S.A.

SLEF J R DR  
RADIOPHYSICS  
CSIRO  
BOX 76  
EPPING NSW 2121  
AUSTRALIA

SLYSH V I DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.

SMIT J A PROF  
PHYSICAL LAB  
UNIVERSITY  
SORBONNELAAN 4  
3584 CA UTRECHT  
THE NETHERLANDS

SMITH BARHAM W DR  
G-6 MS 565  
LASL  
LOS ALAMOS NM 87544  
U.S.A.

SMITH CLAYTON A JR DR  
U S NAVAL OBS  
WASHINGTON DC 20390  
U.S.A.

SMITH F GRAHAM PROF  
DIRECTOR NRAL  
JDORELL BANK  
MACCLESEFIELD  
CHESHIRE SK11 9DL  
U.K.

SMITH HARLAN J PROF  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
RL MOORE HALL 15.206  
AUSTIN TX 78712  
U.S.A.

SMITH HOWARD ALAN  
CODE 4139 5  
SPACE SC DIVISION  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.

- SMITH HUMPHRY M  
23 NORMANDALE  
BEXHILL UN SEA  
EAST SUSSEX TN39 3LU  
U.K.
- SMITH MYRON A ASST PROF  
SACRAMENTO PEAK OBS  
SUNSPOT NM 88349  
U.S.A.
- SMITH WM HAYDEN PROF  
MCDONNELL CENTER FOR  
SPACE SCIENCES  
WASHINGTON UNIVERSITY  
ST LOUIS MO 63130  
U.S.A.
- SMOLUCHOWSKI ROMAN PROF  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
RLM HALL 15 220  
AUSTIN TX 78712  
U.S.A.
- SMYLIE DOUGLAS F DR  
DEPT OF PHYSICS  
YORK UNIVERSITY  
4700 KEELE STREET  
DOWNSVIEW ONT M3J1P3  
CANADA
- SNIJDERS M A J  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIV CLG LONDON  
LONDON WC1E 6BT  
U.K.
- SOBERMAN ROBERT K DR  
FRANKLIN RES CENTER  
THE FRANKLIN INST  
20+B FRANKLIN PARKW  
PHILADELPHIA PA19103  
U.S.A.
- SOBOLEV VLADISLAV M DR  
MAIN ASTRONOMICAL  
OBSERVATORY PULKOVO  
196140 LENINGRAD  
U.S.S.R.
- SOCHILINA ALLA S DR  
INSTITUTE FOR THEORETICAL  
ASTRONOMY  
10 KUTUZOV QUAY  
192187 LENINGRAD  
U.S.S.R.
- SOFIA SABATINO PROF  
GODDARD SPACE FLIGHT  
CENTER  
CODE 681  
GREENBELT MD 20771  
U.S.A.
- SOLAZZO CLAUDIO  
OSS ASTRONOMICO  
DI CAPODIMONTE  
VIA MARIATELLO 16  
I-80131 NAPOLI  
ITALY
- SOLHEIM JAN ERIK  
IMR P O BOX 953  
N-9001 TROMSO  
NORWAY
- SMITH LINDSEY F DR  
DEPT OF PHYSICS  
UNIV OF WOLLONGONG  
P O BOX 1144  
WOLLONGONG NSW 2500  
AUSTRALIA
- SMITH PETER L DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- SMOLINSKI JAN DR  
COPERNICUS ASTRONOMIC  
AL CENTER  
CHOPINA 12-18  
87-100 TORUN  
POLAND
- SMOOT III GEORGE F.  
BLDG 50-230  
L BERKELEY LAB  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- SMYTH MICHAEL J DR  
DEPT OF ASTRONOMY  
ROYAL OBSERVATORY  
EDINBURGH EH9 3HJ  
U.K.
- SNOW THEODORE P PROF  
DEPT OF PHYSICS AND  
ASTROPHYSICS  
UNIVERSITY COLORADO  
BOULDER CO 80309  
U.S.A.
- SOBIESKI STANLEY DR  
CODE 673  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.
- SOBOLEVA N S DR  
SPECIAL ASTROPHYS  
OBS USSR ACAD OF SCI  
LENINGRAD BRANCH  
196140 LENINGRAD  
U.S.S.R.
- SODERBLOM LARRY DR  
BR ASTROGEOLOGIC ST  
US GEOLOGICAL SURVEY  
2555 N GEMINI DRIVE  
FLAGSTAFF AZ 86001  
U.S.A.
- SOFUE YOSHIAKI DR  
NOBEYAMA RADIO ASTRO  
NOMY OBSERVATORY  
MINAMISAKU-GUN  
NAGANO-KEN 384-13  
JAPAN
- SOLC IVAN DR  
ASTRON INST CSAV  
GROUP OF OPTICS  
DVRAKOVA 298  
511 01 TURNOV  
CZECHOSLOVAKIA
- SOLIMAN MOHAMED AHMED  
HELWAN OBSERVATORY  
HELWAN NEAR CAIRO  
ARAB REP. OF EGYPT
- SMITH MALCOLM G DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- SMITH ROBERT CONNOR DR  
ASTRONOMY CENTRE  
UNIVERSITY OF SUSSEX  
BRIGHTON BN1 9QH  
U.K.
- SMOLKOV G YA DR  
STBIZMIR  
P B 4  
664697 IRKUTSK 33  
U.S.S.R.
- SMRIGLIO FILIPPO PROF  
OSSERVATORIO  
ASTRONOMICO  
VIA PARCO MELLINI 84  
I-00136 ROMA  
ITALY
- SNELL RONALD L  
FIVE COLLEGE RAD  
GRC TOWER B  
UNIV MASSACHUSETTS  
AMHERST MA 01003  
U.S.A.
- SNYDER LEWIS E  
DEPT OF ASTRONOMY  
UNIV OF ILLINOIS  
URBANA IL 61801  
U.S.A.
- SOBOLEV V V DR  
LENINGRAD STATE UNIV  
ASTRONOMICAL OBS  
199178 LENINGRAD  
U.S.S.R.
- SOBOUTI YOUSEF PROF  
BIRUNI OBSERVATORY  
AND PHYSICS DEPT  
UNIVERSITY  
SHIRAZ  
IRAN
- SOEDERHJELM STAFFAN DR  
LUND OBSERVATORIET  
BOX 1107  
S-221 04 LUND  
SWEDEN
- SOIFER BARUCH T DR  
320-47 DOWNS LAB  
PHYSICS DEPT  
CALTECH  
PASADENA CA 91125  
U.S.A.
- SOLF JOSEF DR  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- SOLOMON PHILIP M DR  
ASTROPHYSICS PROGRAM  
DEPT EARTH SPACE SCS  
SUNY AT STONY BROOK  
STONY BROOK NY 11794  
U.S.A.

- SOLTAN ANDRZEJ MARIA DR  
N COPERNICUS ASTRON  
CENTER  
BARTYCKA 18  
00-716 WARSAW  
POLAND
- SORENSEN GUNNAR DR  
INSTITUTE OF PHYSICS  
LANGELANDSGADE  
DK-8000 AARHUS C  
DENMARK
- SORU-ESCAUT IRINA MRS  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- SOULIE GUY  
OBS DE L'UNIVERSITE  
DE BORDEAUX  
F-33270 FLUITRAC  
FRANCE
- SPAENHAJER ANDREAS MARTIN  
ASTRON INST BASEL  
VENUSSTRASSE 7  
CH-4102 BINNINGEN  
SWITZERLAND
- SPASOVA VEDKA MARINOVA  
DEPT OF ASTRONOMY  
BULGARIAN ACADEMY SC  
72 LENIN BLVD  
1184 SOFIA  
BULGARIA
- SPENCER RALPH E DR  
NUFFIELD RADIO ASTRO  
NOMY LABS  
JODRELL BANK MADDLES  
FIELD CHES SK11 9DL  
U.K.
- SPINRAD HYRON PROF  
DEPT OF ASTRONOMY  
UNIVERSITY  
OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- SPITHAS ELEFTERIOS N DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 621  
GREECE
- SPRUIT HENK C DR  
MPI FUER ASTROPHYSIK  
KARL-SCHWARZSCHILD-  
STR 1  
D-8046 GARCHING B M  
GERMANY, F.R.
- SREEKANTAN B V DR  
TATA INSTITUTE OF  
FUNDAMENTAL RESEARCH  
HOMI BHABHA ROAD  
BOMBAY 400005  
INDIA
- STABELL ROLF DR  
INSTITUTE OF THEORE-  
TICAL ASTROPHYSICS  
UNIVERSITY OF OSLO  
BLINDERN OSLO 3  
NORWAY
- SOMERVILLE WILLIAM B DR  
UNIVERSITY COLLEGE  
LONDON WC1E 6BT  
U.K.
- SORENSEN SOREN-AKSEL DR  
UNIV OF LONDON  
OBSERVATORY  
MILL HILL PARK  
LONDON NW7 2QS  
U.K.
- SOTIROVSKI PASCAL DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- SOUTHWORTH R B DR  
HARVARD COLLEGE OBS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- SPARKS WARREN M DR  
CODE 671  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.
- SPEER R J DR  
DEPT OF PHYSICS  
IMPERIAL COLLEGE  
LONDON SW7 2BZ  
U.K.
- SPICER DANIEL SHIELDS DR  
INST FOR PHYSICAL SC  
AND TECHNOLOGY  
UNIV OF MARYLAND  
COLLEGE PK MD 20742  
U.S.A.
- SPITE FRANCOIS M DR  
OBSERVATOIRE  
DE PARIS  
F-92190 MEUDON  
FRANCE
- SPITZER LYMAN JR DR  
PRINCETON UNIVERSITY  
OBSERVATORY  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- SPYROU NICOLAOS DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
THESSALONIKI  
THESSALONIKI  
GREECE
- SREENIVASAN S RANGA PROF  
PHYSICS DEPT  
THE UNIVERSITY  
2920-24 AVE N W  
CALGARY ALTA T2N 1N4  
CANADA
- STAGNI RUGGERO  
OSS ASTROFISICO  
DI ASIAGO  
I-36012 ASIAGO  
ITALY
- SONETT CHARLES P PROF  
DEPT PLANETARY SCI  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.
- SOROCHEENKO R L DR  
PHYSICAL INSTITUTE  
USSR ACADEMY OF  
SCIENCES  
117924 MOSCOW  
U.S.S.R.
- SOUFFRIN PIERRE B DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- SPADA GIANFRANCO DR  
TE S R E  
CNR  
VIA DE CASTAGNOLI 1  
I-40126 BOLOGNA  
ITALY
- SPARROW JAMES G DR  
AERONAUTICAL RES  
LABORATORIES  
BOX 4331  
MELBOURNE 3001  
AUSTRALIA
- SPENCER JOHN HOWARD  
NAVAL RESEARCH LAB  
CODE 4134 2  
WASHINGTON DC 20375  
U.S.A.
- SPIEGEL E DR  
COURANT INST OF  
MATHEMATICAL SC  
251 MERCER STREET  
NEW YORK NY 10003  
U.S.A.
- SPITE MONIQUE DR  
OBSERVATOIRE  
DE PARIS  
F-92190 MEUDON  
FRANCE
- SPOELSTRA T A TH DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- SRAMEK RICHARD A DR  
NAT RADIO ASTRON OBS  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.
- SRINIVASAN G  
RAMAN RESEARCH INST  
BANGALORE 560 080  
INDIA
- STAHR-CARPENTER M DR  
LEANDER MCCORMICK OB  
BOX 3819  
UNIVERSITY STATION  
CHARLOTTE SVL VA22903  
U.S.A.

STALIO ROBERTO DR  
OSSERVATORIO ASTRONO  
MICO DI TRIESTE  
VIA TREPOLLO 11  
I-34131 TRIESTE  
ITALY

STANILA GEORGE DR  
ASTRONOMICAL OBS  
5 CUTITJL DE ARGINT  
BUCAREST 78  
ROUMANIA

STANNARD DAVID DR  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.

STARYTSIN GENNADIJ V DR  
PULKOVO OBSERVATORY  
196140 -ENINGRAD  
U.S.S.R.

STAUDE HANS JAKOB PH D  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

STEARNS C L DR  
VAN VLECK OBS  
MIDDLETOWN CT 06457  
U.S.A.

STECKER FLOYD W DR  
LAB FOR HIGH ENERGY  
ASTROPHYS 660 NASA  
GODDARD SPACE CENTER  
GREENBELT MD 20771  
U.S.A.

STEIGER W R PROF  
HAWAII INST GEOPHYS  
UNIV OF HAWAII  
2525 CORREA ROAD  
HONOLULU HI 96822  
U.S.A.

STEIN ROBERT F ASSOC PROF  
ASTRONOMY DEPT  
MICHIGAN STATE  
UNIVERSITY  
EAST LANSING MI 48824  
U.S.A.

STEINITZ RAPHAEL PROF  
PHYSICS DEPT  
BG UNIVERSITY OF THE  
NEGEV  
BEER SHEVA  
ISRAEL

STELLMACHER GOETZ  
INST D ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE

STENFLO JAN O DR  
INST FUER ASTRONOMIE  
ETH-ZENTRUM  
CH-8092 ZUERICH  
SWITZERLAND

STANDISH E MYLES DR  
JET PROPULSION  
LABORATORY  
PASADENA CA 91103  
U.S.A.

STANKEVICH K S DR  
RADIOPHYSICAL  
RESEARCH INSTITUTE  
603600 GORKIJ  
U.S.S.R.

STARK ANTONY A  
HOH L-231  
BELL LABORATORIES  
HOLMDELL NJ 07733  
U.S.A.

STASINSKA G DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE

STAUDE JUERGEN DR  
ZENTRALINST FJER  
SOLAR-TERR PHYSIK  
TELEGRAFENBERG  
DDR-15 POTSDAM  
G.D.R.

STEBBINS ROBIN  
SACRAMENTO PEAK OBS  
SUNSPOT NM 88349  
U.S.A.

STEENMAN-CLARK L DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE

STEIGMAN GARY PROF  
BARTOL RESEARCH  
FOUNDATION  
UNIV OF DELAWARE  
NEWARK DE 19711  
U.S.A.

STEIN WAYNE A PROF  
SCHOOL OF PHYSICS  
AND ASTRONOMY  
UNIVERSITY MINNESOTA  
MINNEAPOLIS MN 55455  
U.S.A.

STEINLIN ULI PROF  
ASTRONOMISCHES INST  
UNIVERSITAET BASEL  
VENUSSTR 7  
CH-4102 BINNINGEN  
SWITZERLAND

STELLMACHER IRENE DR  
BUPEAU D LONGITUDES  
77 AVENUE DENFERT-  
ROCHEREAU  
F-75014 PARIS  
FRANCE

STEPANIAN A A DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.

STANGE LOTHAR  
TECHNICAL UNIVERSITY  
DRESDEN  
MOMMSENSTR.13  
DDR-8027 DRESDEN  
G.D.R.

STANLEY G J  
CALTECH  
PASADENA CA 91109  
U.S.A.

STARRFIELD SUMNER PROF  
DEPT OF PHYSICS  
ARIZONA STATE  
UNIVERSITY  
TEMPE AZ 85281  
U.S.A.

STAUBERT RUDIGER DR  
ASTRONOMISCHES INST.  
DER UNIV TUEBINGEN  
WALDHAUSERSTR 64  
D-7400 TUEBINGEN  
GERMANY, F.R.

STAWIKOWSKI ANTONI DR  
ASTRONOMICAL CENTER  
UL CHOPINA 12-18  
87-100 TORUN  
POLAND

STECHER THEODORE P  
CODE 672  
GODDARD SPACE FLIGHT  
CENTER  
GREENBELT MD 20771  
U.S.A.

STEFANOVITCH-GOMEZ A E DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

STEIN JOHN WILLIAM  
555 HILL STREET  
SEWICKLEY PA 15143  
U.S.A.

STEINBERG JEAN L DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE

STELLINGWERF ROBERT F DR  
DEPT PHYSICS ASTRON  
RUTGERS UNIV  
PISCATAWAY NJ 08904  
U.S.A.

STENCEL ROBERT EDWARD  
JOINT INST FOR  
LAB ASTROPHYSICS  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.

STEPANIAN N N DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.

- STEPANOV V E PROF  
SIBIZMIR  
P B 4  
664697 IRKUTSK 33  
U.S.S.R.
- STAPIEN KAZIMIERZ DR  
ASTRONOMICAL  
OBSERVATORY  
AL UJAZDZUWSKIE 4  
00478 WARSZAWA  
POLAND
- STERN ROBERT ALLAN  
MS 169-327  
JET PROPULSION DRIVE  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.
- STEVENS GERARD A DR  
LABORATORIUM VOOR  
RUIMTEONDERZOEK  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS
- STEWART RONALD T MR  
CSIRO DIVISION OF  
RADIOPHYSICS  
P O BOX 76  
EPPING NSW 2121  
AUSTRALIA
- STICKLAND DAVID J DR  
ROYAL GREENWICH OBS  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- STOBIE ROBERT S DR  
ROYAL OBS  
BLACKFORD HILL  
EDINBURGH EH9 3J  
U.K.
- STOCKTON ALAN N DR  
INSTITUTE FOR  
ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.
- STOHL JAN DR  
ASTRONOMICAL INST  
SAV  
DUBRAVSKA CESTA A 11  
89930 BRATISLAVA  
CZECHOSLOVAKIA
- STONE REMINGTON P S DR  
LICK OBSERVATORY  
MT HAMILTON CA 95140  
U.S.A.
- STOYKO ANNA  
OBSERVATOIRE  
DE PARIS  
61 AVE OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- STRAND KAJ AA DR  
3200 ROWLAND PL NW  
WASHINGTON DC 20008  
U.S.A.
- STEPHENSON C BRUCE PROF  
WARNER AND SWASEY  
OBSERVATORY  
CASE WESTERN RES UN  
CLEVELAND OH 44106  
U.S.A.
- STEPPE HANS DR  
ASTRON INST BASEL  
VENUSSTRASSE 7  
CH-4102 BINNINGEN  
SWITZERLAND
- STERNBERG BOHUMIL  
ASTRON INST CSAV  
BUDECKA 6  
120 23 PRAHA 2  
CZECHOSLOVAKIA
- STEWART J M DR  
INSTITUTE OF  
ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- STEYAERT HERMAN PROF DR  
STERRENKUNDIG INST  
KRYGSLAAN 271 59  
B-9000 GENT  
BELGIUM
- STIFT M J DR  
INST FUER ASTRONOMIE  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- STOCK JURGEN  
CENTRO DE INVESTIGA-  
CION DE ASTRONOMIA  
APARTADO 264  
MERIDA  
VENEZUELA
- STODOLKIEWICZ JERZY S DR  
COPERNICUS ASTRONOMI  
CAL CENTER  
UL BARTYCKA 18  
00 716 WARSAW  
POLAND
- STONE EDWARD C DR  
CALTECH  
PASADENA CA 91125  
U.S.A.
- STONE RONALD CECIL  
US NAVAL OBSERVATORY  
TRANSIT CIRCLE  
DIVISION  
WASHINGTON DC 20390  
U.S.A.
- STRAFELLA FEDERICO  
DIPARTIMENTO DI  
FISICA  
UNIVERSITY OF LECCE  
I-73100 LECCE  
ITALY
- STRASSL HANS L PROF  
OCHTRUPWEG 39  
D-4400 MÜNSTER  
GERMANY, F.R.
- STEPHENSON F RICHARD DR  
SCHOOL OF PHYSICS  
UNIVERSITY  
NEWCASTLE UPON TYNE  
NE1 7RU  
U.K.
- STERKEN CHRISTIAAN LEO DR  
ASTROPHYSICAL INST  
V U B  
PLEINLAAN 2  
B-1050 BRUSSELS  
BELGIUM
- STESHENKO N V DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- STEWART PAUL DR  
MATHEMATICS DEPT  
THE UNIVERSITY  
MANCHESTER M13 9PL  
U.K.
- STIBBS DOUGLAS W N PROF DR  
UNIV OBSERVATORY  
BUCHANAN GARDENS  
ST ANDREWS  
FIFE KY16 9LZ  
U.K.
- STIX MICHAEL DR  
KIEPENHEUER INST  
FUER SONNENPHYSIK  
SCHOENECKSTR 6  
D-7800 FREIBURG  
GERMANY, F.R.
- STOCKMAN HERVEY S JR DR  
STEWART OBS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- STOEGER W R DR  
SPECOLA VATICANA  
I-00120  
CITTA DEL VATICANO  
VATICAN CITY STATE
- STONE R G DR  
CODE 693  
LAB FOR EXTRATERRES  
PHYSICS NASA-GSFC  
GREENBELT MD 20771  
U.S.A.
- STOREY JOHN W V DR  
DEPT OF PHYSICS  
UNIV NEW SOUTH WALES  
P O BOX 1  
KENSINGTON NSW 2033  
AUSTRALIA
- STRAIZYS V PROF DR  
ASTRONOMIJOS OBS  
VILNIUS 31  
CIURLIONIO 29  
LITHUANIA  
U.S.S.R.
- STRAZZULLA GIOVANNI  
OSS ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY



- STREL'NITSKIY VLADIMIR DR  
ASTRONOMICAL COUNCIL  
USSR ACAD OF SCS  
48 PYATNITSKAYA ST  
109017 MOSCOW  
U.S.S.R.
- STROBEL DARRELL F  
CODE 4780  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.
- STROM KAREN M  
KITTECK NATIONAL  
OBSERVATORY  
P O BOX 25732  
TUCSON AZ 85726  
U.S.A.
- STROM STEPHEN E  
GALACTIC EXTRAG PROG  
KITTECK NAT OBS  
P O BOX 25732  
TUCSON AZ 85726  
U.S.A.
- STRONG JOHN D PROF  
ASTRONOMY RESEARCH  
FACILITY  
UNIVERSITY OF MASS  
AMHERST MA 01003  
U.S.A.
- STURCH CONRAD R DR  
1942 LEWIS AVE  
ROCKVILLE MD 20851  
U.S.A.
- SU HONG-JUN  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- SUDA KAZUO ASST PROF  
DEPT OF ASTRONOMY  
TOHOKU UNIVERSITY  
ARAKI SENDAI 980  
JAPAN
- SUGAWA CHIKARA DR  
HANANOI 1586-25  
KASHIWA-SHI  
CHIYA-KEN 277  
JAPAN
- SULLIVAN DENIS JOHN DR  
VICTORIA UNIV  
WELLINGTON  
NEW ZEALAND
- SUMMERS HUGH P DR  
DEPT OF APPLIED MATH  
AND THEORETICAL PHYS  
SILVER ST  
CAMBRIDGE CB3 9EW  
U.K.
- SUNYAEV R A DR  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.
- STRITTMATTER PETER A PROF  
STEWART OBSERVATORY  
TUCSON AZ 85721  
U.S.A.
- STROBEL WILLI DR  
ASTRONOMISCHES  
RECHEN INSTITUT  
MOENCHHOEFSTR 12 14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.G.
- STROM RICHARD G DR  
RADIOSTERRENWACHT  
POSTBUS 2  
7990 AA DWINGELOO  
THE NETHERLANDS
- STROMGREN BENGT PROF  
GAMLE CARLSBERG 15  
DK-2500 COPENHAGEN  
VALBY  
DENMARK
- STRUBLE MITCHELL F  
DEPT OF ASTRONOMY  
& ASTROPHYSICS E-1  
UNIV OF PENNSYLVANIA  
PHILADELPHIA PA 19104  
U.S.A.
- STURROCK PETER A PROF  
INST PLASMA RESEARCH  
VIA CRESPI  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.
- SUPRAHMANYA C R  
TATA INSTITUTE OF  
FUNDAMENTAL RESEARCH  
INDIAN INST SC CAMP  
BANGALORE 560 012  
INDIA
- SUEMOTO ZENZABURO PROF DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- SUGIMOTO DAIICHIRO PROF  
DEPT EARTH SC ASTRO  
COLL GENERAL EDUC  
UNIVERSITY OF TOKYO  
MEGURO-KU TOKYO 153  
JAPAN
- SULLIVAN WOODRUFF T II DR  
DEPT ASTRONOMY FM 20  
UNIVERSITY OF  
WASHINGTON  
SEATTLE WA 98195  
U.S.A.
- SUN KAI  
ASTROPHYSICS DIV  
GEOPHYSICS DEPT  
BEIJING UNIVERSITY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- SUPDEJ JEAN M G  
INST D'ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
AV DE COINTE 5  
B-4200 COINTE-DUGREE  
BELGIUM
- STROBEL ANDRZEJ DR  
INST OF ASTRONOMY  
N COPERNICUS UNIV  
CHOPINA 12/18  
37-100 TORUN  
POLAND
- STROHMEIER WOLFGANG PROF  
VOLKSFELDSTRASSE 5  
D-8600 BAMBERG  
GERMANY, F.R.G.
- STROM ROBERT G PROF  
DEPT OF PLANETARY SC  
UNIVERSITY  
OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- STRONG IAN B DR  
LOS ALAMOS SCI LAB  
MAIL STOP 436  
P O BOX 1663  
LOS ALAMOS NM 87545  
U.S.A.
- STUMPF PETER DR  
MPI FUER RADIO  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.G.
- SU DING-QIANG  
NANJING ASTRONOMICAL  
INSTRUMENTS FACTORY  
NANJING  
JIANGSU PROVINCE  
PEOPLE'S REPUBLIC CHINA
- SUDA JAN  
ASTRONOMICAL INST  
CZECH ACADEMY OF SC  
ONDREJOV OBSERVATORY  
25165 ONDREJOV  
CZECHOSLOVAKIA
- SUESS STEVEN T DR  
SPACE ENVIRONMENT  
LABORATORY  
NOAA ERL  
BOULDER CO 80302  
U.S.A.
- SULENTIC JACK W DR  
DEPT PHYS & ASTRON  
UNIV OF ALABAMA  
P O BOX 1921  
UNIVERSITY AL 35486  
U.S.A.
- SULTANOV G F ACAD  
SHEMAKHA ASTROPHYSI-  
CAL OBSERVATORY  
373243 AZERBAIDZAN  
U.S.S.R.
- SUNDMAN ANITA DR  
STOCKHOLM  
OBSERVATORIET  
S-133 00  
SALTSJOBADEN  
SWEDEN
- SUTANTYO WINARDI  
BOSSCHA OBS  
LEMBANG JAWA  
INDONESIA

- SUTHERLAND P G DR  
PHYSICS DEPT  
MCMASTER UNIVERSITY  
HAMILTON ONT L8S 4M1  
CANADA
- SVATOS JAN DR  
DEPT OF ASTRONOMY  
CHARLES UNIVERSITY  
SVEDSKA 8  
150 00 PRAHA 5  
CZECHOSLOVAKIA
- SVOLOPOULOS SOTIRIUS PROF  
DEPT OF ASTROPHYSICS  
UNIVERSITY OF ATHENS  
PANEPISTIMIOPOLIS  
ATHENS 621  
GREECE
- SWARUP GOVIND PROF  
RADIO ASTRONOMY  
CENTRE OF TIFR  
POST BOX 8  
OOTACAMJND 643001  
INDIA
- SWENSON GEORGE W JR PROF  
ELECTRICAL ENG DEPT  
UNIV OF ILLINOIS U C  
1406 WEST GREEN ST  
URBANA IL 61801  
U.S.A.
- SWIHART THOMAS L DR  
STEWART OBSERVATORY  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.
- SYKES-HART AVRIL B DR  
DEPT OF ASTROPHYSICS  
SOUTH PARKS ROAD  
OXFORD OX1 3RO  
U.K.
- SZAFRANIEC ROZALIA DR  
ASTRONOMICAL OBS  
UL ORLA 171  
30 244 KRAKOW  
POLAND
- SZEIDL BELA DR  
KONKOLY OBSERVATORY  
BOX 67  
1525 BUDAPEST  
HUNGARY
- TADEMARU E DR  
UNIV OF MASS  
AMHERST MA 01002  
U.S.A.
- TAI YUIN-KWEI PROF  
NO 7 CHAO-CHOJ ST  
TAIPEI  
TAIWAN
- TAKAGI SHIGETSUGU DR  
INTERNATIONAL LATITU  
DE OBSERVATORY  
MIZUSAWA IWATE 023  
JAPAN
- SUZUKI YOSHIMASA PROF  
23-1 NAKAJIMA  
HIRONOMACHI  
UJI SHI 611  
JAPAN
- SVECHNIKOV M A DR  
ASTRONOMICAL DEPT OF  
URALSKIJ  
STATE UNIVERSITY  
6200R3 SVERDLOVSK  
U.S.S.R.
- SWANENBURG B N DR  
COSMIC RAY WORKING  
GROUP HUYGENS LAB  
WASSENAARSEWEG 78  
2300 RA LEIDEN  
THE NETHERLANDS
- SWEET PETER A PROF  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
GLASGOW G12 8JW  
U.K.
- SWENSSON JOHN W DR  
DEPT OF PHYSICS  
SOELVEGATAN 14  
S-223 62 LUND  
SWEDEN
- SWINGS JEAN-PIERRE DR  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
5 AVENUE DE COINTE  
B-4200 COINTE-DOUGREE  
BELGIUM
- SYKORA JULIUS DR  
SKALNATE PLESO  
OBSERVATORY  
059 60 TATRANSKA  
LOMNICA  
CZECHOSLOVAKIA
- SZEBEHELY VICTOR G PROF  
DEPT AEROSPACE ENG  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- SZKODY PAULA DR  
DEPT OF ASTRONOMY  
UNIV OF WASHINGTON  
SEATTLE WA 98195  
U.S.A.
- TAFFARA SALVATORE PROF  
VIA CALZA 5 BIS  
I-35100 PADOVA  
ITALY
- TAKADA MASAHIRO DR  
DEPT OF ASTRONOMY  
UNIV OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- TAKAHARA FUMIJ DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
UNIV OF TOKYO  
MITAKA 181  
JAPAN
- SVALGAARD LEIF DR  
INST FOR PLASMA RES  
STANFORD UNIV  
VIA CRESPI  
STANFORD CA 94305  
U.S.A.
- SVETKA ZDENEK DR  
SPACE RESEARCH LAB  
BEVELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS
- SWANK JEAN HERB  
CODE 661  
NASA GSFC  
GREENBELT MD 20771  
U.S.A.
- SWEIGART ALLEN V DR  
CODE 681  
NASA GODDARD SPACE  
FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.
- SWERDLOV NOEL PROF  
UNIV OF CHICAGO  
CHICAGO IL 60637  
U.S.A.
- SWINGS P DR  
AVE L SOUVENET 23  
B-4050 ESNEUX  
BELGIUM
- SZABADOS LASZLO PH D  
KONKOLY OBSERVATORY  
P O BOX 67  
H-1525 BUDAPEST  
HUNGARY
- SZECSENYI-NAGY GABOR DR  
DEPT OF ASTRONOMY  
ROALND FOETVOES UNIV  
KUN BELA TER 2  
H-1083 BUDAPEST  
HUNGARY
- TABARA HIROTO DR  
FACULTY OF EDUCATION  
UTSUNOMIYA UNIV  
MINEMACHI  
UTSUNOMIYA 320  
JAPAN
- TAGLIAFERRI GIUSEPPE PROF  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY
- TAKAGI KOSHIRO PROF  
DEPT OF PHYSICS  
TOYAMA UNIVERSITY  
3190 GOFUKU  
TOYAMA 920  
JAPAN
- TAKAKUBO KEIYA PROF  
DEPT OF ASTRONOMY  
TOHOKU UNIVERSITY  
ARAMAKI SENDAI 980  
JAPAN

- TAKAKURA TATSUO PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- TAKAYANAGI KAZUO PROF  
INST SPACE AERON SC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO KU  
TOKYO 153  
JAPAN
- TAKENS R DR  
ASTRONOMISCH INST  
UNIV OF AMSTERDAM  
ROETERSSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- TALON R DR  
CESR  
9 AV DU COL ROCHE  
B P 4335  
F-31029 TOULOUSE CED  
FRANCE
- TAMMANN G ANDREAS PROF DR  
ASTRONOMISCHES INST  
UNIVERSITÄT BASEL  
VENUST 7  
CH-4102 BINNINGEN  
SWITZERLAND
- TANAKA HARUO PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- TANAKA WATARU DR  
DEPT OF ASTRONOMY  
UNIV OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- TANDBERG HANSEN EINAR A  
DR  
NASA MARSHALL SPACE  
FLIGHT CENTER 5591  
HUNTSVILLE AL 35812  
U.S.A.
- TAPLEY BYRON D DR  
DEPT AEROSPACE ENGR  
AND ENGR MECHANICS  
UNIV TX-AUST WRW 402  
AUSTIN TX 78712  
U.S.A.
- TARENGHI MASSIMO DR  
ESO  
K SCHWARZSCHILD ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.
- TARTER JILL C DR  
NASA-AMES RES CTR  
MS 245-3  
MOFFETT FLD CA 94035  
U.S.A.
- TATEVYAN S K DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA UL 48  
109017 MOSCOW  
U.S.S.R.
- TAKARADA KATSUO DR  
KYOTO UNIVERSITY IND  
ARTS TEXTILE FIBERS  
MATSUGASAKI SAKYOKU  
KYOTO 606  
JAPAN
- TAKEDA HIJENRI DR  
DEPT OF AERONAUTICAL  
ENGINEERING  
KYOTO UNIVERSITY  
SAKYOKU KYOTO 606  
JAPAN
- TAKEUTI MINE DR  
DEPT OF ASTRONOMY  
TOHOKU UNIVERSITY  
ARAMAKI SENDAI 980  
JAPAN
- TALWAR SATYA P DR  
PHYSICS DEPT  
DELHI UNIVERSITY  
DELHI 7  
INDIA
- TAMURA SHINICHI DR  
DEPT OF ASTRONOMY  
TOHOKU UNIVERSITY  
ARAMAKI SENDAI 980  
JAPAN
- TANAKA KATSUO DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- TANAKA YASUO DR  
FACULTY OF EDUCATION  
IBARAKI UNIVERSITY  
BUNKYO MITO 310  
JAPAN
- TANDON JAGDISH NARAIN DR  
DEPT OF PHYSICS AND  
ASTROPHYSICS  
UNIVERSITY OF DELHI  
DELHI 110007  
INDIA
- TARADJ VLADIMIR K DR  
MAIN ASTRON OBS  
UKRAINIAN AC JF SC  
GOLOSSEVO  
252127 KIEV  
U.S.S.R.
- TARNSTROM GUY DR  
MIT LINCOLN LAB  
P O BOX 73  
LEXINGTON MA 02173  
U.S.A.
- TASSOUL JEAN-LOUIS PROF  
DEPT DE PHYSIQUE  
UNIVERSITE MONTREAL  
CP 6128  
MONTREAL PQ H3C 3J7  
CANADA
- TATON RENE PROF  
CENTRE ALEXANDRE  
KOYRE  
12 RUE COLBERT  
F-75002 PARIS  
FRANCE
- TAKASE BUNSHIRO PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- TAKENOUCHI TADAO DR  
1-28-30 KICHIJYOJI  
KITA MACHI  
MUSASHINO TOKYO 180  
JAPAN
- TALBOT RAYMOND J JR PROF  
SPACE PHYSICS AND  
ASTRONOMY  
RICE UNIVERSITY  
HOUSTON TX 77001  
U.S.A.
- TAMENAGA TATSUO DR  
FACULTY OF EDUCATION  
MIE UNIVERSITY  
TSU SHI MIE 514  
JAPAN
- TANABE HIROYOSHI DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 181  
JAPAN
- TANAKA RIICHIRO PROF  
FACULTY GENERAL EDUC  
NIIGATA UNIVERSITY  
ASAHIMACHIDORI  
NIIGATA 951  
JAPAN
- TANAKA YASURO PROF  
INST SPACE AERON SC  
UNIVERSITY OF TOKYO  
KOMABA MEGURO-KU  
TOKYO 153  
JAPAN
- TAPIA MAURICIO DR  
INSTITUTO DE  
ASTRONOMIA UNAM  
APOD POSTAL 877  
ENSENADA BC  
MEXICO
- TAKAFDAR S P DR  
TATA INST FUND RES  
HOMI BHABHA ROAD  
BOMBAY 400 005  
INDIA
- TARTER C BRUCE DR  
LAWRENCE LIVERMORE  
LABORATORY L-71  
UNIVERSITY OF CALIF  
LIVERMORE CA 94550  
U.S.A.
- TASSOUL MONIQUE DR  
C/O DEPT DE PHYSIQUE  
UNIV DE MONTREAL  
C P 6128  
MONTREAL P Q H3C 3J7  
CANADA
- TATUM JEREMY B DR  
UNIVERSITY OF VICTO-  
RIA OBSERVATORY  
VICTORIA BC V8W 2Y2  
CANADA

- TAUBER GERALD E PROF  
DEPT OF PHYSICS  
TEL AVIV UNIVERSITY  
TEL AVIV  
ISRAEL
- TAVAKOL REZA K  
DEPT OF APPLIED MATH  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- TAVARES J T L DR  
AV DIAS DA SILVA  
173 R/C ESQ  
COIMBRA  
PORTUGAL
- TAWADROS MAHET JACOUB DR  
HELWAN OBSERVATORY  
HELWAN-CAIRO  
ARAB REP. OF EGYPT
- TAYLER ROGER J PROF  
ASTRONOMY CENTRE  
UNIVERSITY OF SUSSEX  
BRIGHTON BN1 9QH  
U.K.
- TAYLOR DONALD BOGGIA  
2 ROSE COTTAGE  
HARTLING NEAR  
HAILSHAM EAST SUSSEX  
U.K.
- TAYLOR DONALD J DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UN OF NEBRASKA  
LINCOLN NB 68589  
U.S.A.
- TAYLOR GORDON E  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- TAYLOR JOSEPH H PROF  
UNIV MASSACHUSETTS  
GRADUATE RES CTR  
TOWER B  
AMHERST MA 01003  
U.S.A.
- TAYLOR KEITH DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- TAYLOR KENNETH N R PROF  
105A COPELAND ROAD  
BEECROFT NSW 2119  
AUSTRALIA
- TECH JACK L DR  
B 306 METROLOGY BLDG  
NATIONAL BUREAU OF  
STANDARDS  
WASHINGTON DC 20234  
U.S.A.
- TEDESCO EDWARD F  
JET PROPULSION LAB  
MS 183-501  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.
- TEERIKORPI VELI PEKKA DR  
OBS AND ASTROPH LAB  
UNIV OF HELSINKI  
TAHTITORNINMAKI  
SF-00130 HELSINKI 13  
FINLAND
- TEHERANY D  
83 AVENUE REY  
TEHERAN  
IRAN
- TEJFEL VIKTOR G DR  
LAB OF LUNAR AND  
PLANETARY PHYSICS  
ASTROPHYSICAL INST  
480068 ALMA-ATA  
U.S.S.R.
- TEKTULANI H GOEKMEN DR  
ISTANBUL UNIVERSITY  
FACULTY OF SCIENCE  
ISTANBUL  
TURKEY
- TELEKI GEORGE DR  
ASTRONOMSKA  
OBSERVATORIJ A  
VOLGINA 7  
11050 BEOGRAD  
YUGOSLAVIA
- TEMESVARY S DR  
R STRAUSSSTRASSE 127  
D-8000 MUENCHEN 80  
GERMANY, F.R.
- TEMPESTI PIERO PROF  
OBSERVATORIO ASTRONO  
MICO DI COLLURANIA  
I-64100 TERAMO  
ITALY
- TENDRIO-TAGLE G DR  
MPI F PHYSIK E ASTRO  
PHYSIK  
D-8046 GARCHING B M  
GERMANY, F.R.
- TEPLITSKAYA R B DR  
SIBIZMIR  
P B 4  
664697 IRKUTSK 33  
U.S.S.R.
- TER HAAR DIRK  
MAGDALEN COLLEGE  
OXFORD OX1 4AU  
U.K.
- TERASHITA YOICHI PROF  
KANAZAWA INST TECHN  
NONOICHI CHO  
MINAMIKYOKU  
KANAZAWA 921  
JAPAN
- TEREBIZH VALEPY YU DR  
CRIMEAN STATION OF  
STERNBERG  
ASTRONOMICAL INST  
NAUCHNY CRIMEA334413  
U.S.S.R.
- TERENJEVA ALEXANDRA K DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SC  
PYATNITSKAYA 4B  
109017 MOSCOW  
U.S.S.R.
- TERLEVICH ROBERTO JUAN  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- TERRAZAS MR L.R.  
INST NAC DE ASTROFIS  
OPT Y ELECTRONICA  
APT POSTALES 216 51  
PUEBLA  
MEXICO
- TERRELL NELSON JAMES JR  
ESS-9 MS/436  
LOS ALAMOS NAT LAB  
BOX 1663  
LOS ALAMOS NM 87545  
U.S.A.
- FERRIEN JEAN DIRECTEUR  
B I P M  
PAVILLON DE BRETEUIL  
F-92310 SEVRES  
FRANCE
- TERRILE RICHARD JOHN  
MS 183-30  
JET PROPULSION LAB  
PASADENA CA 91109  
U.S.A.
- TERZIAN YERVANT PROF  
SPACE SCIENCES BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- TERZIDES CH DR  
DEPT OF ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE
- TESKE RICHARD G PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
MICHIGAN  
ANN ARBOR MI 48109  
U.S.A.
- TEXERAJ JEAN M  
CERGA  
AVENUE COPERNIC  
F-06130 GRASSE  
FRANCE

- THADDEUS PATRICK PROF  
INSTITUTE FOR  
SPACE STUDIES  
2880 BROADWAY  
NEW YORK NY 10025  
U.S.A.
- THIELHEIM KLAUS O DR  
INST REINE & A KERNP  
UNIVERSITAET KIEL  
OLSHAUSENSTR 40/6/  
D-2300 KIEL  
GERMANY, F.R.
- THOMAS HANS-CHRISTOPH DR  
MPI FUER PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MÜNCHEN 40  
GERMANY, F.R.
- THOMAS RICHARD N DR  
LAT  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- THOMPSON A RICHARD DR  
NAT RADIO ASTR OBS  
VLA PROJECT  
P O BOX 0  
SOCORRO NM 87801  
U.S.A.
- THOMPSON ROGER I PROF  
STEWART OBSERVATORY  
UNIVERSITY  
OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- THONNARD NORBERT DR  
CARNEGIE INST WASH  
DTM  
5241 BRAD BR RD NW  
WASHINGTON DC 20015  
U.S.A.
- THRONSON HARLEY ANDREW JR  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIV OF WYOMING  
LARAMIE WY 82071  
U.S.A.
- TIFFT WILLIAM G PROF  
STEWART OBSERVATORY  
UNIVERSITY  
OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- TINBERGEN JAAP DR  
KAPTEYN STERREWACHT  
WERKROEP  
MENSINGHEDIG 20  
9301 KA RODEN  
THE NETHERLANDS
- TJIN-A-DJIE HERMAN R E DR  
ASTRONOMICAL INST  
UNIVERSITY AMSTERDAM  
ROETERSSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- TODORAN IOAN DR  
ASTRONOMICAL  
OBSERVATORY  
STR REPUBLICII 109  
3400 CLUJ-NAPOCA  
ROUMANIA
- THE PIK SIN PROF  
ASTRONOMICAL INST  
ROETERSSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- THIRY YVES R PROF  
UNIVERSITE DE PARIS  
VI TOUR 66  
4 PLACE JUSSIEU  
F-75230 PARIS CEX 05  
FRANCE
- THOMAS JOHN A DR  
PHYSICS RAAF DEPT  
UNIV OF MELBOURNE  
PARKVILLE VIC 3052  
AUSTRALIA
- THOMAS ROGER J DR  
CODE 682  
NASA GODDARD SPACE  
FLIGHT CENTER  
GREENBELT MD 20771  
U.S.A.
- THOMPSON G I DR  
ROYAL OBSERVATORY  
EDINBURGH EH9 3HJ  
U.K.
- THOMPSON THOMAS WILLIAM  
2043 CLOUD CREST AVE  
LA CRESCENTA  
CA 91214  
U.S.A.
- THOREN VICTOR E PROF  
130 GOODBODY HALL  
INDIANA UNIVERSITY  
BLOOMINGTON IN 47401  
U.S.A.
- TIFREA EMILIA DR  
OBS DE BUCAREST  
STR CUTITUL DE  
ARGINT 5  
75212 BUCAREST  
ROUMANIA
- TING YEQU-TSWEN  
ASTRONOMY SECTION  
CENTRAL WEATHER BUR  
64 KUNG YUEN ROAD  
TAIPEI 100  
TAIWAN
- TLAMICHA ANTOVIN DR  
ASTRONOMICAL  
OBSERVATORY  
25165 ONDREJOV  
CZECHOSLOVAKIA
- TOFANI GIANNI PROF  
OSSERVATORIO ARCETRI  
LARGO FERMI 5  
I-50125 FIRENZE  
ITALY
- THORNOE KARL-AUGUST  
LEKTOR  
VINKELVEJ 36  
DK-2800 LYNGBY  
DENMARK
- THOMAS DAVID V DR  
SCIENCE RES COUNCIL  
CENTRAL OFFICE  
P O BOX 18  
SWINDON SN2 1ET WILT  
U.K.
- THOMAS JOHN H PROF  
DEPT MECH AERO SC  
UNIVERSITY ROCHESTER  
ROCHESTER NY 14627  
U.S.A.
- THOMASSON PETER DR  
N R A L  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.
- THOMPSON LAIRD A DR  
INST FOR ASTRONOMY  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.
- THOMSEN BJARNE B PROF  
INST OF ASTRONOMY  
UNIVERSITY OF AARHUS  
DK-8000 AARHUS C  
DENMARK
- THORNE KIP S PROF  
130-33  
CALTECH  
PASADENA CA 91125  
U.S.A.
- THUM CLEMENS DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- TIMOTHY J GETHYN DR  
DEPT ASTRO-GEOPHYS  
CAMPUS BOX 391  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.
- TIURI MARTTI PROF  
HELSINKI UNIV TECHN  
RADIO LABORATORY  
OTAKAARI 5 A  
SF-02150 ESPOO 15  
FINLAND
- TOBIN WILLIAM  
UNIVERSITY OBS  
BUCHANAN GARDENS  
ST ANDREWS  
FIFE KY16 9LZ  
U.K.
- TOHLINE JOEL EDWARD  
MS 288 GROUP T-6  
LOS ALAMOS NAT LAB  
P O BOX 1663  
LOS ALAMOS NM 87545  
U.S.A.

- TOLBERT CHARLES R DR  
LEANDER MCCORMICK OB  
BOX 3818  
UNIV STATION  
CHARLOTTESVL VA22901  
U.S.A.
- TOMBAUGH CLYDE W PROF  
DEPT OF ASTRONOMY  
BOX 4500  
NM STATE UNIVERSITY  
LAS CRUCES NM 89003  
U.S.A.
- TOMITA KOICHIRO MR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA MITAKA  
TOKYO 131  
JAPAN
- TOOMRE ALAN DR  
ROOM 2-371  
MIT  
77 MASSACHUSETTS AVE  
CAMBRIDGE MA 02139  
U.S.A.
- TORAO MASAHISA PROF  
5-7-9-401 YOYOGI  
SHIBUYA  
TOKYO 151  
JAPAN
- TORRES CARLOS ALBERTO DR  
OBS NACIONAL  
R GENERAL BRUCE 586  
20000 RIO DE JANEIRO  
BRAZIL
- TORROJA J PROF  
CATEDRA DE ASTRON  
FACULTAD DE CIENCIAS  
UNIV COMPLUTENSE  
MADRID 3  
SPAIN
- TOVMASIAN H M DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- TRAFTON LAURENCE M DR  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
AT AUSTIN  
AUSTIN TX 78712  
U.S.A.
- TRAVING GERHARD PROF  
INSTITUT FUER THEORE  
TISCHE ASTROPHYSIK  
NEUENHEIMER FELD 294  
D-6900 HEIDELBERG  
GERMANY, F.R.
- TREFFTZ ELEONORE E DR  
MPI F PHYSIK UND  
ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- TRELLIS MICHEL DR  
OBSERVATOIRE DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- TOMASI PAOLO DR  
LAB RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- TOMIMATSU AKIRA DR  
RES INST THEOR PHYS  
HIROSHIMA UNIVERSITY  
TAKEHARA-MACHI  
TAKEHARA 725  
JAPAN
- TOMOV ALEXANDER NIKOLOV  
DEPT OF ASTRONOMY  
BULGARIAN ACADEMY SC  
72 LENIN BLVD  
1184 SOFIA  
BULGARIA
- TOOMRE JURI  
DEPT ASTRO-GEOPHY-  
SICS AND JILA  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.
- TORELLI M DR  
OSS ASTRONOMICCO  
VIA DEL P MELLINI 84  
ROMA  
ITALY
- TORRES CARLOS DR  
OBS ASTRON NACIONAL  
UNIVERSIDAD DE CHILE  
CASILLA 36-0  
SANTIAGO  
CHILE
- TOSA MAKOTO DR  
DEPT OF PHYSICS  
NAGOYA UNIVERSITY  
FURUCHO CHIGUSA  
NAGOYA 464  
JAPAN
- TOWNES CHARLES HARD DR  
DEPT OF PHYSICS  
UNIVERSITY OF CALIF  
RM 557 BIRGE HALL  
BERKELEY CA 94720  
U.S.A.
- TRAN MINH N DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- TREDER H J PROF DR  
ZENTRINST ASTROPHYSIK  
STERNW BABELSBERG  
ROSA LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.
- TREFFZGER CHARLES F DR  
ASTRON INST BASEL  
VENUSSTRASSE 7  
CH-4102 BINNINGEN  
SWITZERLAND
- TREMAINE SCOTT DUNCAN  
RM 6-211  
DEPT OF PHYSICS MIT  
77 MASSACHUSETTS AVE  
CAMBRIDGE MA 02139  
U.S.A.
- TOMASKO MARTIN G DR  
LUNAR PLANETARY LAB  
UNIV OF ARIZONA  
SPACE SCIENCES BLDG  
TUCSON AZ 85721  
U.S.A.
- TOMITA KENJI PROF  
RESEARCH INSTITUTE F  
THEORETICAL PHYSICS  
HIROSHIMA UNIVERSITY  
TAKEHARA 725  
JAPAN
- TONG FU  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- TOPAKTAS LATIF A DR  
UNIVERSITY  
OBSERVATORY  
UNIVERSITY ISTANBUL  
TURKEY
- TOROSHIDZE TEIMURAZ I DR  
ABASTUMANI ASTRO-  
PHYSICAL OBSERVATORY  
383762 GEORGIA  
U.S.S.R.
- TORRES PEIMBERT SILVIA DR  
INST DE ASTRONOMIA  
APDO POSTAL 70264  
04510 MEXICO DF  
MEXICO
- TOUSEY RICHARD DR  
CODE 7140  
NAVAL RESEARCH LAB  
WASHINGTON DC 20375  
U.S.A.
- TOZER DAVID C DR  
SCHOOL OF PHYSICS  
UNIVERSITY NEWCASTLE  
NEWCASTLE UPON TYNE  
NE1 7RU  
U.K.
- TRAUB WESLEY ARTHUR  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- TREFFERS RICHARD R  
ASTRONOMY DEPT  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- TREHAN SURINDAR K PROF  
DEPT OF MATHEMATICS  
PANJAB UNIVERSITY  
CHANDIGARH 160014  
INDIA
- TREMKO JOZEF DR  
SKALNATE PLESO  
OBSERVATORY  
059 60 TATRANSKA  
LOMNICA  
CZECHOSLOVAKIA

- TREUMANN RUDOLF DR  
HOCHSTRASSE 58  
CH-8044 ZUERICH  
SWITZERLAND
- TRIMBLE VIRGINIA L DR  
DEPT OF PHYSICS  
UNIVERSITY OF CALIF  
IRVINE CA 92717  
U.S.A.
- TRITTON SUSAN BARBARA  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- TROLAND THOMAS HUGH  
PHYSICS ASTRONOMY  
DEPT  
UNIV OF KENTUCKY  
LEXINGTON KY 40506  
U.S.A.
- TRULSEN JAN K PROF  
P O BOX 953  
UNIVERSITY OF TROMSO  
N-9001 TROMSO  
NORWAY
- TSAI CHANG-HSIEN DIRECTOR  
GENERAL SECRETARY  
ASTRO SOCIETY CHINA  
TAIPEI OBSERVATORY  
TAIPEI 104  
TAIWAN
- TSCHARNUTER WERNER M DR  
MPI FUER ASTROPHYSIK  
FOEHRINGER RING 6  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- TSIOMIS ALEXANDROS DR  
DEPT OF GEODETIC  
ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE
- TSUCHIYA ATSUSHI DR PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA  
OSAWA MITAKA TOK 181  
JAPAN
- TSVETANOV ZLATAN IVANOV  
DEPT OF ASTRONOMY  
BULGARIAN ACADEMY SC  
72 LENIN BLVD  
1164 SOFIA  
BULGARIA
- TUCKER WALLACE H DR  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- TULL ROBERT G  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AT AUSTIN RLM 15 212  
AUSTIN TX 78712  
U.S.A.
- TREVESE DARIO  
OSS ASTRONOMIC  
VIALE DEL PARCO  
MELLINI 84  
I-00136 ROMA  
ITALY
- TRITAKIS BASIL P DR  
ASTRONOMY APPL MATHS  
ACADEMY OF ATHENS  
14 ANAGOSTOPOULOU  
ATHENS 136  
GREECE
- TRODAHL HARRY JOSEPH DR  
VICTORIA UNIVERSITY  
WELLINGTON  
NEW ZEALAND
- TROTTE GERARD DR  
OBS DE PARIS  
DASOP  
F-92190 MEUDON  
FRANCE
- TRURAN JAMES W JR  
DEPT OF ASTRONOMY  
UNIV OF ILLINOIS  
OBSERVATORY  
URBANA IL 61801  
U.S.A.
- TSAO M PROF  
NO 47 SEC 3  
HSIN-I ROAD  
TAIPEI 106  
TAIWAN
- TSESEVICH V P PROF DR  
ODESSA STATE UNIVER-  
SITY ASTRONOMICAL  
OBSERVATORY  
270014 ODESSA  
U.S.S.R.
- TSUBAKI TOKIO PROF  
FACULTY OF EDUCATION  
SHIGA UNIVERSITY  
ISHIYAMAHIRATSUCHO  
OHTSU 520  
JAPAN
- TSUJI TAKASHI  
TOKYO ASTRONOMICAL  
OBSERVATORY  
MITAKA  
TOKYO 181  
JAPAN
- TSVETKOV TSVETAN DR  
DEPT OF ASTRONOMY  
FACULTY OF PHYSICS  
ANTON IVANOV STR 5  
1126 SOFIA  
BULGARIA
- TUEG HELMUT DR  
ASTRONOMISCHES INST  
UNIVERSITAET BOCHUM  
POSTFACH 102148  
D-4630 BOCHUM 1  
GERMANY, F.R.
- TULLY JOHN A DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE
- TREXLER JAMES H MR  
5609 OTTAWA STREET  
LABORATORY  
OXON HILL MD 20021  
U.S.A.
- TRITTON KEITH P DR  
ROYAL OBS EDINBURGH  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- TROITSKY V S PROF DR  
RADIOPHYSICAL  
RESEARCH INSTITUTE  
603600 GORKIJ  
U.S.S.R.
- TRJEMPER JOACHIM PROF  
MPI FUER EXTRATERRE-  
STRISCHE PHYSIK  
D-8046 GARCHING BEI  
MUENCHEN  
GERMANY, F.R.
- TRUTSE YU L DR  
INSTITUTE OF PHYSICS  
USSR ACADEMY OF SCI  
109017 MOSCOW  
U.S.S.R.
- TSAP T T DR  
CRIMEAN ASTROPHYSI-  
CAL OBSERVATORY USSR  
ACAD OF SCI NAUCHNIY  
334413 CRIMEA  
U.S.S.R.
- TSIKOUDI VASSILIKI PH D  
DEPT OF ASTRONOMY  
UNIV OF IOANNINA  
IOANNINA  
GREECE
- TSUBOKAWA IETSUNE DR  
INTERNATIONAL LATITU  
DE OBSERVATORY  
MIZUSAWA IWATE 023  
JAPAN
- TSURUTA SACHIKO DR  
MPI PHYS UND ASTROPH  
FOEHRINGER RING 6  
POSTFACH 401212  
D-8000 MUENCHEN 40  
GERMANY, F.R.
- TUCKER ROY H  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- TUFEKCI OGLU ZEKI DR  
ASTRONOMY DEPT  
UNIV OF ANKARA  
FEN FAKULTESI  
ANKARA  
TURKEY
- TULLY RICHARD BRENT DR  
UNIVERSITY OF HAWAII  
INST OF ASTRONOMY  
2680 WOODLAWN DR  
HONOLULU HI 96822  
U.S.A.

- TUNCA ZEYNEL DR  
EGE UNIVERSITY  
FACULTY OF SCIENCE  
BORNOVA-IZMIR  
TURKEY
- TURLO ZYGMUNT DR  
ASTRONOMICAL CENTER  
UL CHOPINA 12-18  
87-100 TORUN  
POLAND
- TURNER EDWIN L DR  
PRINCETON UNIV OBS  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- TURNER MICHAEL S  
ASTRONOMY & ASTRO-  
PHYSICS CENTER  
5460 S ELLIS AVE  
CHICAGO IL 60637  
U.S.A.
- TURTLE A J DR  
DEPT OF PHYSICS  
UNIVERSITY OF SYDNEY  
SYDNEY NSW 2006  
AUSTRALIA
- TUZI KONOSUKE DR  
2-2-20 OSAWA  
MITAKA  
TOKYO 191  
JAPAN
- TYLEND ROMUALD DR  
N COPERNICUS ASTRON  
CENTER  
CHOPINA 12/18  
87-100 TORUN  
POLAND
- TYSON JOHN A DR  
BELL LABS RM 10-316  
600 MOUNTAIN AVE  
MURRAY HILL NJ 07974  
U.S.A.
- UCHIDA JUTCHI DR  
TOHOKU SAKUEN  
UNIVERSITY  
TAGAJYOMACHI  
MIYAGI 985  
JAPAN
- UENO SUEO PROF  
KANAZAWA INSTITUTE  
OF TECHNOLOGY  
NONOICHI MACHI  
ISHIKAWA 921  
JAPAN
- ULICH BOBBY LEE  
MULTIPLE MIRROR  
TELESCOPE OBS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- ULRICH BRUCE T PROF  
ESO  
C/O CERN  
CH-1211 GENEVA 23  
SWITZERLAND
- TUOMINEN ILKKA V DR  
OBSERVATORY  
TAHTITORNINMAKI  
SF-00130 HELSINKI 13  
FINLAND
- TURNER BARRY E DR  
NRAO  
EDGE MONT RD  
CHARLOTTE SVL VA22901  
U.S.A.
- TURNER KENNETH C DR  
ARECIBO OBSERVATORY  
P O BOX 995  
ARECIBO PR 00613  
U.S.A.
- TURON PIERRE  
INST D'ASTROPHYSIQUE  
98 BIS BD ARAGO  
F-75014 PARIS  
FRANCE
- TUTUKOV A V DR  
ASTRONOMICAL COUNCIL  
USSR ACADEMY OF SCI  
PYATNITSKAYA JL 48  
109017 MOSCOW  
U.S.S.R.
- TWISS R Q DR  
C/O A R BOSCHI  
96A HOLLAND ROAD  
LONDON W14 8BD  
U.K.
- TYLER JR G L DR  
CTR FOR RADAR ASTRON  
STANFORD UNIV  
STANFORD CA 94305  
U.S.A.
- TZVETKOV MILCHO K DR  
BULGARIAN ACADEMY  
OF SCIENCES  
DEPT OF ASTRONOMY  
1000 SOFIA  
BULGARIA
- UCHIDA YUTAKA PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA  
MITAKA TOKYO 191  
JAPAN
- UESUGI AKIRA DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF KYOTO  
SAKYOKU KYOTO 606  
JAPAN
- ULMER MELVILLE P PROF  
DEARBORN OBSERVATORY  
NORTHWESTERN  
UNIVERSITY  
EVANSTON IL 60201  
U.S.A.
- ULRICH MARIE HELENE D DR  
ESO  
K SCHWARZSCHILD ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.
- TUOMINEN JAAKKO V PROF  
PIHLAJATIE 49 B 20  
SF-00270 HELSINKI 27  
FINLAND
- TURNER DAVID G DR  
DEPT PHYSICS/ASTRON  
LAURENTIAN UNIV  
SUDBURY ONT P3E 2C6  
CANADA
- TURNER MARTIN J L DR  
X-RAY ASTRONOMY GR  
PHYSICS DEPT  
UNIV OF LEICESTER  
LEICESTER LE1 7RH  
U.K.
- TURON-LACARRIEU C DR  
OBS DE PARIS  
DEPEG  
F-92190 MEUDON  
FRANCE
- TUVE MERLE A DR  
CARNEGIE INSTITUTION  
5241 BROAD BRANCH RD  
WASHINGTON DC 20015  
U.S.A.
- TWOKOWSKI A S  
DEPT OF APPLIED MATH  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- TYPHOON LEE  
C/O ACADEMIA SINICA  
NANKUNG TAIPEI  
TAIWAN
- UBERTINI PIETRO  
ISTITUTO ASTROFISICA  
SPAZIALE  
CASELLA POSTALE 67  
I-00044 FRASCATI  
ITALY
- UDAL'TSOV V A DR  
PHYSICAL INSTITUTE  
USSR ACADEMY OF  
SCIENCES  
117924 MOSCOW  
U.S.S.R.
- JLFBECK OLE DR  
NIELS BJHR INST  
BLEGDAMSVEJ 17  
DK-2100 COPENHAGEN-O  
DENMARK
- ULMSCHNEIDER PETER DR  
INST THEOR ASTROPHYS  
IM NEUENHEIMER F 294  
D-6900 HEIDELBERG  
GERMANY, F.R.
- ULRICH ROGER K PROF  
DEPT OF ASTRONOMY  
UNIV OF CALIFORNIA  
8931 MSB  
LOS ANGELES CA 90024  
U.S.A.



- UNDERHILL ANNE B DR  
CODE 680  
GODDARD SPACE FL CTR  
GREENBELT MD 20771  
U.S.A.
- UNSOELD ALBRECHT PROF  
INST THEO PHY STERNW  
NEUE UNIV PHYSIK ZNT  
GLSHAUSENST GR N 61C  
D-2300 KIEL 1  
GERMANY, F.R.
- UPTON E K L DR  
ASTRONOMY DEPT  
UCLA  
LOS ANGELES CA 90024  
U.S.A.
- URBANIK MAREK  
ASTRONOMICAL OBS  
JAGIELLONIAN UNIV  
UL ORLA 171  
30-244 KRAKOW  
POLAND
- USHER PETER D DR  
DEPT ASTRONOMY  
PENNSYLVANIA ST UNIV  
507 DAVEY LAB  
UNIV PARK PA 16802  
U.S.A.
- VAGER ZEEV DR  
DEPT OF PHYSICS  
WEIZMANN INSTITJT  
REHOVOT  
ISRAEL
- VAIDYA P C PROF  
VICE CHANCELLOR  
GUJARAT UNIVERSITY  
AHMEDABAD 380009  
INDIA
- VALENTIJN EDWIN A DR  
ESO  
KARL-SCHWARZSCHILD-  
STR 2  
D-8046 GARGINS B M  
GERMANY, F.R.
- VALTIER J C DR  
OBS DE NICE  
B P 252  
F-06007 NICE CEDEX  
FRANCE
- VAN ALBADA TJEERD S DR  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- VAN BEEK F DR  
LAB VOOR RUIMTE-  
ONDERZOEK  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS
- VAN BUEREN HENDRIK G PROF  
ADVISORY COUNCIL FOR  
SCIENCE POLICY  
P O BOX 18524  
2502 EM THE HAGUE  
THE NETHERLANDS
- UNDERWOOD JAMES H DR  
INSTITUTE F PLASMA  
RESEARCH  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.
- UPGREN ARTHUR R DR  
VAN VLECK  
OBSERVATORY  
WESLEYAN UNIVERSITY  
MIDDLETOWN CT 06457  
U.S.A.
- URAS S DR  
ISTITUTO DI  
ASTRONOMIA  
VIA OSPEDALE 72  
I-09100 CAGLIARI  
ITALY
- URBARZ H DR  
ASTRONOMISCHES INST  
DER UNIVERSITAET  
WALDHAUSER STR 64  
D-7400 TUEBINGEN  
GERMANY, F.R.
- UTSUMI KAZUHIKO DR  
FAC OF GEN EDUCATION  
HIROSHIMA UNIVERSITY  
HIGASHI-SENDACHO  
HIROSHIMA 730  
JAPAN
- VAGHI SERGIO DR  
ESTEC/PHA  
POSTBUS 299  
2200 AG NOORDWIJK  
THE NETHERLANDS
- VAINSTEIN L A DR  
PHYSICAL INSTITUTE  
USSR ACADEMY OF  
SCIENCES  
117924 MOSCOW  
U.S.S.R.
- VALLEE JACQUES P DR  
HERZBERG INST CNRC  
100 SUSSEX DRIVE  
OTTAWA ONT K1A 0R6  
CANADA
- VALTONEN MAURI J DR  
DEPT PHYSICAL SCI  
UNIVERSITY OF TURKU  
SF-20500 TURKU 50  
FINLAND
- VAN ALLEN JAMES A PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIVERSITY OF IOWA  
IOWA CITY IA 52242  
U.S.A.
- VAN BLERKOM DAVID J PROF  
ASTRONOMY DEPT  
UNIVERSITY OF MASS  
AMHERST MA 01002  
U.S.A.
- VAN CITTERS GORDON W DR  
DEPT OF ASTRONOMY  
UNIV OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- VANNO WASABURO PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TOKYO  
BUNKYO-KU  
TOKYO 113  
JAPAN
- UPSON WALTER L II DR  
PRINCETON UNIV OBS  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- URASIN L A DR  
ENGELGARDT ASTRONOMI  
CAL OBSERVATORY  
422526 KAZAN  
U.S.S.R.
- URECHE VASILE DR  
UNIVERSITY OF CLUJ  
NAPOCA  
3400 CLUJ NAPOCA  
ROUMANIA
- UUSUNO DR  
IAPHA ESTONIAN ACAD  
OF SCIENCE  
TORAVERE  
202444 TARTU  
U.S.S.R.
- VAIANA GIUSEPPE S DR  
HARVARD COLLEGE OBS  
HARVARD UNIVERSITY  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- VALBOUSQUET ARMAND DR  
OBSERVATOIRE  
DE STRASBOURG  
11 RUE L UNIVERSITE  
F-67000 STRASBOURG  
FRANCE
- VALNICEK BORIS DR  
ASTRONOMICAL INST  
CZECHO ACADEMY SC  
OBSERVATORY  
251 65 JNDREJOV  
CZECHOSLOVAKIA
- VAN AGT S L TH J DR  
STERRENKUNDIG INST  
TOERNOOIVELD  
0525 ED NIJMEGEN  
THE NETHERLANDS
- VAN ALTENA WILLIAM F PROF  
YALE UNIVERSITY  
OBSERVATORY BOX 2023  
YALE STATION  
NEW HAVEN CT 06520  
U.S.A.
- VAN BRED A IAN G DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAW  
EAST SUSSEX BN27 1RP  
U.K.
- VAN DE HULST H C PROF DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS

- VAN DE KAMP PETER  
15 WELLESLEY ROAD  
SWARTHMORE PA 19081  
U.S.A.
- VAN DEN HEUVEL EDWARD P J  
ASTRONOMICAL INST  
ROETERSSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- VAN DER HULST J M DR  
NETHERLANDS FOUNDATION  
RADIOASTRONOMY  
POSTBUS 2  
7990 AA DWINGELOO  
THE NETHERLANDS
- VAN DER LAAN H PROF DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- VAN DIGGELEN J DR  
STERREWACHT  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS
- VAN FLANDERN THOMAS DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- VAN HERK G  
STERREWACHT VAN  
LEIDEN  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- VAN HORN HUGH M PROF  
DEPT PHYSICS AND  
ASTRONOMY  
UNIVERSITY ROCHESTER  
ROCHESTER NY 14627  
U.S.A.
- VAN HOVEN GERARD DR  
DEPT OF PHYSICS  
UNIV OF CALIFORNIA  
IRVINE CA 92717  
U.S.A.
- VAN PARADIJS J DR  
ASTRONOMICAL INST  
ROETERSSTRAAT 15  
1018 WB AMSTERDAM  
THE NETHERLANDS
- VAN RIPER KENNETH A DR  
MS 625 X-7  
LOS ALAMOS NAT LAB  
P O BOX 608  
LOS ALAMOS NM 87545  
U.S.A.
- VAN T VEER-MENNERET  
CLAUDE JR  
INST D ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- VAN DE STADT HERMAN DR  
ASTRONOMICAL  
INSTITUTE  
ZONNENBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS
- VAN DER BORGH T RENE PROF  
DEPT OF MATHEMATICS  
MONASH UNIVERSITY  
CLAYTON VICT 3168  
AUSTRALIA
- VAN DER HULST THIJS  
3235 1ST AVENUE  
S MINNEAPOLIS  
MN 55408  
U.S.A.
- VAN DER RAAY HERMAN B  
DEPT OF PHYSICS  
UNIV OF BIRMINGHAM  
P O BOX 363  
BIRMINGHAM B15 2TT  
U.K.
- VAN DORN BRADT H DR  
MIT RM 37-581  
CTR FOR SPACE RES  
CAMBRIDGE MA 02139  
U.S.A.
- VAN GENDEREN A.M. DR.  
STERREWACHT LEIDEN  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- VAN HERK-KLUYVER H A DR  
KORTE WAARDER 58  
2415 AV NIEUWERBURG  
THE NETHERLANDS
- VAN HOUTEN C J DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- VAN LEER B DR  
STERREWACHT  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- VAN REGEMORTER HENRI DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- VAN SPEYBROECK LEON P DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- VAN WOERDEN HUGO PROF DR  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- VAN DEN BERGH SIDNEY PROF  
HERZBERG INST ASTRO  
DOMINION ASTRO OBS  
5071 W SAATCHI ROAD  
VICTORIA BC V8X 4M6  
CANADA
- VAN DER HUUCHT KAREL A DR  
SPACE RESEARCH LAB  
BENELUXLAAN 21  
3527 HS UTRECHT  
THE NETHERLANDS
- VAN DER KRUIT PIETER C DR  
KAPTEYN LABORATORIUM  
POSTBUS 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- VAN DESSEL EDWIN LUDO DR  
KON STERREWACHT  
RINGLAAN 3  
B-1180 BRUSSELS  
BELGIUM
- VAN DUINEN R J DR  
FOKKER BV  
P O BOX 7600  
1117 ZJ SCHIPHOL  
THE NETHERLANDS
- VAN HAMME WALTER  
STERREKUNDIG OBSER-  
VATORIUM RUG  
KRIJGSLAAN 281 S9  
B-9000 GENT  
BELGIUM
- VAN HOOF A PROF EM  
ASTRONOMISCH  
INSTITUUT KU LEUVEN  
NAAMSESTRAAT 61  
B-3000 LEUVEN  
BELGIUM
- VAN HOUTEN-GROENEVELD  
INGRID DR  
STERREWACHT LEIDEN  
POSTBUS 9513  
2300 RA LEIDEN  
THE NETHERLANDS
- VAN NIEUWKOOP J DR IR  
STERREWACHT  
SONNENBURG  
ZONNENBURG 2  
3512 WK UTRECHT  
THE NETHERLANDS
- VAN RENSBERGEN WALTER DR  
ASTROPHYSISCH INST  
VRIJE UNIVERSITEIT  
PLEINLAAN 2  
B-1050 BRUSSEL  
BELGIUM
- VAN T VEER FRANK DR  
INST D ASTROPHYSIQUE  
98 BIS BLVD ARAGO  
F-75014 PARIS  
FRANCE
- VANDEN BOUT PAUL A  
ASTRONOMY DEPT  
RLM 15 212  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.

- VANDENBERG DON DR  
C/O PHYSICS DEPT  
UNIV OF VICTORIA  
P O BOX 1700  
VICTORIA BC V8W 2Y2  
CANADA
- VANDERLINDEN HENRI L PROF  
UNIVERSITEIT GENT  
HERTOGENDREEF 15  
B-1170 BRUSSEL  
BELGIUM
- VANDERVOORT PETER O DR  
DEPT ASTRON ASTROPH  
1100-14 E 58TH ST  
CHICAGO IL 60637  
U.S.A.
- VANYSEK VLADIMIR PROF  
ASTRONOMY DEPT  
CHARLES UNIVERSITY  
SVEDSKA 8  
150 00 PRAHA 5  
CZECHOSLOVAKIA
- VAPILLON LOIC J DR  
OBSERVATOIRE DE  
PARIS-MEUDON  
F-92190 MEUDON  
FRANCE
- VARDANIAN R A DR  
BYURAKAN ASTROPHYSI-  
CAL OBSERVATORY  
378433 ARMENIA  
U.S.S.R.
- VARDAVAS ILIAS MIKHAIL  
RESEARCH SCHOOL OF  
PHYSICAL SCIENCES  
P O BOX 4  
CANBERRA ACT 2600  
AUSTRALIA
- VARDYA M S DR  
TATA INSTITUTE OF  
FUNDAMENTAL RESEARCH  
HOMI BHABHA RD  
BOMBAY 400 005  
INDIA
- VARMA RAM KUMAR PROF  
PHYSICAL RESEARCH  
LAB  
AHMEDABAD 380 009  
INDIA
- VARSAVSKY C M DR  
LAS HERAS 1975 O A  
BUENOS AIRES  
ARGENTINA
- VARSHALOVICH J A DR  
PHYSIKO-TECHNICAL  
INSTITUTE USSR ACADE  
MY OF SCIENCES  
194021 LENINGRAD  
U.S.S.R.
- VARVOGLIS CH DR  
DEPT OF ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE
- VASHKOVYAK S N DR  
STERNBERG STATE AS-  
TRONOMIC INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- VASILEV VLADIMIR M DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- VASTILEVA GALINA J DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- VASILEVSKIS STANISLAUS  
PROF  
455 GRAND AVE NO 16  
PALO ALTO CA 94306  
U.S.A.
- VAUCLAIR GERARD P DR  
OBSERVATOIRE DE  
PARIS-MEUDON  
F-92190 MEUDON  
FRANCE
- VAUCLAIR SYLVIE D DR  
OBSERVATOIRE DE  
PARIS-MEUDON  
F-92190 MEUDON  
FRANCE
- VAUGHAN ARTHUR H DR  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91101  
U.S.A.
- VAZQUEZ MANUEL DR  
INST ASTROFISICA  
DE CANARIAS  
UNIV DE LA LAGUNA  
TENERIFE  
SPAIN
- VEEDER GLENN J DR  
JPL  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- VEIS GEORGE PH D  
GEODESY LAB  
NAT TECHNICAL UNIV  
ATHENS  
GREECE
- VEISMANN UDO DR  
TARTU OBSERVATORY  
202444 ESTONIA  
U.S.S.R.
- VELGHE ALPERT G PROF DR  
OBSERVATOIRE ROYAL  
DE BELGIQUE  
AVENUE CIRCULAIRE 3  
B-1180 BRUSSELS  
BELGIUM
- VELTMANN UDO ILMAR DR  
TARTU OBSERVATORY  
202444 ESTONIA  
U.S.S.R.
- VELUSAMY T DR  
RADIO ASTRONOMY CTR  
P O BOX NO 8  
OOTACAMUND 643 001  
INDIA
- VENKATESAN DORASWAMY DR  
PHYSICS DEPT  
UNIV OF CALGARY  
CALGARY ALB T2N 1N4  
CANADA
- VENUGOPAL V R DR  
RADIO ASTRONOMY  
CENTRE OF IIFR  
POST BOX 8  
OOTACAMUND 643001  
INDIA
- VERBEEK PAUL DR  
GEORGE MINNELAAN 50  
9830 S MARTENS-LATEM  
BELGIUM
- VERDET JEAN-PIERRE DR  
OBSERVATOIRE  
DE PARIS  
61 AVE OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- VERGNAND A PROF  
OSS ASTRONOMICU  
10025 PIND TORINESE  
ITALY
- VERNANI FRANCO PROF  
CNR METEOR PHYSICS  
VIA DEI CASTAGNOLI 1  
I-40125 BOLOGNA  
ITALY
- VERON MARIE-PAULE DR  
OBSERVATOIRE DE  
MEUDON  
F-92190 MEUDON  
FRANCE
- VERON PHILIPPE DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- VERSCHUUR GERRIT L PROF  
FISKE PLANETARIUM  
UNIVERSITY OF  
COLORADO  
BOULDER CO 80302  
U.S.A.
- VESECKY J F DR  
DEPT OF ASTRONOMY  
THE UNIVERSITY  
LEICESTER LE1 7RH  
U.K.

- VETESNIK MIROSLAV DR  
DEPT OF ASTRONOMY  
PURKYNE UNIVERSITY  
KOTLARSKA 2  
61137 BRNO  
CZECHOSLOVAKIA
- VIAL JEAN-CLAUDE  
LPSP  
B P 10  
F-91370 VERRIFRES-LE  
BUISSON  
FRANCE
- VIDAL N V DR  
DEPT OF PHYSICS AND  
ASTRONOMY  
TEL-AVIV UNIVERSITY  
TEL-AVIV  
ISRAEL
- VIGOTTI MARIO  
LABORATORIO DI  
RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- VILHENA DE MORAES R DR  
DEPTO DE ASTRONOMIA  
ITA-CTA  
12 200 SAO JOSE DOS  
CAMPOS SAO PAULO  
BRAZIL
- VINOD S KRISHNAN MRS DR  
INDIAN INST OF  
ASTROPHYSICS  
BANGALORE 550 034  
INDIA
- VIRGOPIA N DR  
OSS ASTRONOMIC  
VIA TRIONFALE 204  
I-00136 ROMA  
ITALY
- VITINSKIY YURIY I DR  
PULKOVO OBSERVATORY  
196140 LENINGRAD  
U.S.S.R.
- VIVES TEODORO JOSE DR  
CTR ASTRON H ALEMAN  
REINA 50 908  
APT CORREOS 511  
ALMERIA  
SPAIN
- VOGT NIKOLAUS DR  
UNIV STERNWART  
SCHEINERSTR 1  
D-8000 MUENCHEN 80  
GERMANY, F.R.
- VOLLAND H DR  
ASTRONOMISCHES INST  
DER UNIVERSITAET  
AUF DEM HUEGEL 71  
D-5300 BONN  
GERMANY, F.R.
- VON DER HEIDE JOHANN DR  
ALARDUSSTR 12  
D-2000 HAMBURG 19  
GERMANY, F.R.
- VETTOLANI GIAMPAOLO  
ISTITUTO DI  
RADIOASTRONOMIA CNR  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- VICENTE RAIMUNDO O PROF  
R MESTRE AVIZ 30 R C  
P 1495 LISBOA  
PORTUGAL
- VIDAL-MADJAR ALFRED DR  
L P S P  
BP 10  
F-91370 VERRIERES LE  
BUISSON  
FRANCE
- VIIK TONU DR  
TORAVERE OBS  
202444 TARTU RAJ EST  
U.S.S.R.
- VILHU OSMI DR  
OBS AND ASTROPHY LAB  
UNIV OF HELSINKI  
TAHTITORNINMAKI  
SF-00130 HELSINKI 13  
FINLAND
- VINTI JOHN P DR  
RM W91-202  
M I T  
MEASUREMENT SYST LAB  
CAMBRIDGE MA 02139  
U.S.A.
- VISHVESWARA C V PROF  
RAMAN RESEARCH  
INST  
BANGALORE 560 080  
INDIA
- VITON MAURICE DR  
L A S  
ALLEE PEIRESC  
F-13012 MARSEILLE  
FRANCE
- VLACHOS DEMETRIUS G PROF  
UNIV THESSALONIKI  
DEPT OF GEODESY  
THESSALONIKI  
GREECE
- VOGT STEVEN SCOTT  
LICK OBSERVATORY  
UNIV OF CALIFORNIA  
SANTA CRUZ CA 95064  
U.S.A.
- VOLONTE SERGE DR  
19 RUE CAPORAL  
TRESTIGNIES  
B-7020 HYON  
BELGIUM
- VON HOERNER SEBASTIAN DR  
NATIONAL RADIO ASTRO  
NOMY OBSERVATORY  
P O BOX 2  
GREEN BANK WV 24944  
U.S.A.
- VEVERKA JOSEPH DR  
312 SPACE SC BLDG  
CORNELL UNIVERSITY  
ITHACA NY 14853  
U.S.A.
- VIDAL J L DR  
OBS DU PIC-DU-MIDI  
F-65200 BAGNERES DE  
BIGORRE  
FRANCE
- VIGIER JEAN-PIERRE DR.  
INSTITUT H. POINCARÉ  
11 RUE P. ET M. CURIE  
F-75005 PARIS  
FRANCE
- VILA SAMUEL C PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF PENNA  
33RD AND WALNUT STR  
PHILADELPHIA PA19104  
U.S.A.
- VINFR MELVYN R DR  
ASTRONOMY GROUP  
DEPT OF PHYSICS  
QUEEN'S UNIVERSITY  
KINGSTON ONT K7L 3N6  
CANADA
- VIOTTI ROBERTO DR  
CNR ASTROFISICA  
SPAZIALE C P 67  
I-00044 FRASCATI  
ROMA  
ITALY
- VISVANATHAN NATARAJAN DR  
MT STROMLO  
OBSERVATORY  
WODEN PD ACT 2606  
AUSTRALIA
- VITTONI ALBERTO ANGELO  
USS ASTRONOMIC  
DI CAPUIMONTE  
VIA MOIARIELLO 16  
I-80131 NAPOLI  
ITALY
- VOELK HEINRICH J PROF  
MPI FUER KERNPHYSIK  
POSTFACH 103 980  
D-6900 HEIDELBERG  
GERMANY, F.R.
- VOIGT HANS H PROF  
UNIVERSITAETS-  
STERNWART  
GEISMARLANDSTR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.
- VON BORZESZKOWSKI H H DR  
ZENTR INST ASTROPHYS  
DER ADW DER DDR  
ROSA-LUXEMBURGST 17A  
DDR-1502 POTSDAM  
G.D.R.
- VON SOCHER HERMANN DR  
INST FUER ASTRONOMIE  
DER UNIV WIEN  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA

VON WEIZSAECKER C F  
 PROF DR  
 MAX-PLANCK-INSTITUT  
 RIEMERSCHMID STR 7  
 D-8130 STARNBERG  
 GERMANY, F.R.

VOROSHILOV V I DR  
 MAIN ASTRONOMICAL  
 OBSERVATORY UKRAINI-  
 AN ACAD OF SCIENCES  
 252127 KIEV  
 U.S.S.R.

VREUX JEAN MARIE DR  
 INST D ASTROPHYSIQUE  
 UNIVERSITE DE LIEGE  
 B-4200 SAINTE OUGREE  
 BELGIUM

VUJNOVIC VLADIS DR  
 INSTITUTE OF PHYSICS  
 OF THE UNIVERSITY  
 P O B 304  
 41001 ZAGREB  
 YUGOSLAVIA

WACHMANN A A PROF DR  
 SCHMIEDESBERG 2 B  
 D-2057 REINBEK  
 GERMANY, F.R.

WADE CAMPBELL M DR  
 NAT RADIO ASTRON OBS  
 P O BOX 0  
 SOCORRO NM 87801  
 U.S.A.

WAGNER ROBERT V PROF  
 DEPT OF PHYSICS  
 STANFORD UNIVERSITY  
 STANFORD CA 94305  
 U.S.A.

WALBORN VILAN R DR  
 CERRO TOLLO INTER-  
 AMERICAN OBSERVATORY  
 CASILLA 63 D  
 LA SERENA  
 CHILE

WALKER ARTHUR B C JR PROF  
 INST FOR PLASMA  
 RESEARCH  
 STANFORD UNIVERSITY  
 STANFORD CA 94305  
 U.S.A.

WALKER MERLE F PROF  
 LICK OBSERVATORY  
 UNIVERSITY OF CALIF  
 SANTA CRUZ CA 95064  
 U.S.A.

WALKER WILLIAM S G  
 14 APPLEYARD CRES  
 AUCKLAND 5  
 NEW ZEALAND

WALLACE PATRICK T MR  
 STARLINK RUTHERFORD  
 & APPLETON LABS  
 CHILTON DUCOT  
 OXON OX11 0DX  
 U.K.

VONDRAK JAN DR  
 ASTRONOMICAL INST  
 CSAV  
 BUDECSKA 6  
 120 23 PRAHA 2  
 CZECHOSLOVAKIA

VORPAHL JOAN A DR  
 AEROSPACE  
 CORPORATION  
 PO BOX 92957  
 LOS ANGELES CA 90009  
 U.S.A.

VSEKHSVYATSKIY SERGIUS K  
 PROF  
 KIEV ASTRONOMICAL  
 OBSERVATORY  
 252053 KIEV PER 3  
 U.S.S.R.

VUKICEVIC K M PROF DR  
 DEPT OF ASTRONOMY  
 FACULTY OF SCIENCES  
 STUDENTSKI TRG 16  
 11000 BEOGRAD  
 YUGOSLAVIA

WACKERNAGEL H BEAT DR  
 DEPT OF ASTRONOMY  
 COLORADO SPRINGS  
 CO 80909  
 U.S.A.

WAGNER RAYMOND L DR  
 FORD AEROSPACE  
 2890 E. FOUNTAIN BLVD  
 F-10  
 COLORADO SPRINGS CO 80910  
 U.S.A.

WAKAMATSU KEN-ICHI DR  
 JUNIOR TECHN COLLEGE  
 GIFU UNIVERSITY  
 KAGAMIGAHARA  
 GIFU 504  
 JAPAN

WALDMEIER MAX PROF  
 SWISS FEDERAL OBS  
 SCHMELZBERGSTR 25  
 CH-8006 ZUERICH  
 SWITZERLAND

WALKER EDWARD N MR  
 ROYAL GREENWICH OBS  
 HERSTMONCEUX CASTLE  
 HAILSHAM  
 E SUSSEX BN27 1RP  
 U.K.

WALKER R L  
 NAVAL OBSERVATORY  
 FLAGSTAFF STATION  
 BOX 1149  
 FLAGSTAFF AZ 86002  
 U.S.A.

WALL JASPER V DR  
 MULLARD RADIO ASTRO-  
 OBS CAVENDISH LAB  
 MADINGLEY RD  
 CAMBRIDGE CB3 0HE  
 U.K.

WALLENQUIST AAKE A E PROF  
 NORRLANDSGATAN 34 D  
 S-752 29 UPPSALA  
 SWEDEN

VORONTSOV-VEL'YAMINOV B A  
 PROF DR  
 STERNBERG STATE AS-  
 TRONOMICAL INSTITUTE  
 117234 MOSCOW  
 U.S.S.R.

VORON FREDERICK J DR  
 U S NAVAL OBS  
 P O BOX 1149  
 FLAGSTAFF AZ 86002  
 U.S.A.

VU D DR  
 BUREAU D LONGITUDES  
 77 AVENUE DENFERT  
 ROCHEREAU  
 F-75014 PARIS  
 FRANCE

VYALSHIN GENNADIY F DR  
 MAIN ASTRONOMICAL OB  
 PULKOVO M-140  
 196140 Leningrad  
 U.S.S.R.

WADDINGTON C JAKE PROF  
 SCHOOL PHYS ASTRON  
 UNIV MINNESOTA  
 116 CHURCH ST S.E.  
 MINNEAPOLIS MN 55455  
 U.S.A.

WAGNER WILLIAM J DR  
 HIGH ALTITUDE  
 OBSERVATORY  
 P O BOX 3000  
 BOULDER CO 80307  
 U.S.A.

WAKO KOJIRO DR  
 INTERNATIONAL LATITU  
 DE OBSERVATORY  
 MIZUSAWA IWATE 023  
 JAPAN

WALKER ALISTAIR ROBIN DR  
 SAAD  
 P O BOX 9  
 OBSERVATORY  
 CAPE  
 SOUTH AFRICA

WALKER GORDON A H PROF  
 INST ASTRON SPACE SC  
 UNIVERSITY OF B C  
 2075 WESBROOK PLACE  
 VANCOUVER BC V6T 1W5  
 CANADA

WALKER ROBERT M A PROF  
 PHYSICS DEPT  
 BOX 1105  
 WASHINGTON UNIV  
 ST LOUIS MO 63130  
 U.S.A.

WALLACE LLOYD V DR  
 KITT PEAK NATIONAL  
 OBSERVATORY  
 P O BOX 26732  
 TUCSON AZ 85726  
 U.S.A.

WALLERSTEIN GEORGE PROF  
 ASTRONOMY DEPT FM 20  
 UNIVERSITY OF  
 WASHINGTON  
 SEATTLE WA 98195  
 U.S.A.

WALLIS MAX K. DR  
DEPT APP MATH ASTRON  
UNIVERSITY COLLEGE  
P O BOX 78  
CARDIFF CF1 1XL  
U.K.

WALSH DENNIS DR  
NRAL  
JODDRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.

WAMPLER E JOSEPH PROF  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95064  
U.S.A.

WAN TONG-SHAN  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA

WANNIER PETER GREGORY DR  
CALTECH  
OWENS VLY RADIO OBS  
PASADENA CA 91125  
U.S.A.

WARD RICHARD A DR  
MPI FUER ASTROPHYSIK  
K-SCHWARZSCILD-ST 1  
D-8046 GARCHING  
GERMANY, F.R.

WARES GORDON W DR  
73 PERKINS ST  
WEST NEWTON MA 02165  
U.S.A.

WARNER JOHN W DR  
NASA CODE TA-01  
MARSHALL SFC AL35912  
U.S.A.

WARWICK JAMES W DR  
ASTRO-GEOPHYSICS  
DEPT  
UNIV OF COLORADO  
BOULDER CO 80309  
U.S.A.

WASHIMI HARUICHI DR  
RESEARCH INSTITJTE  
OF ATMOSPHERICS  
NAGOYA UNIVERSITY  
TOYOKAWA AICHI 442  
JAPAN

WATANABE TAKASHI DR  
RESEARCH INSTITJTE  
OF ATMOSPHERICS  
NAGOYA UNIVERSITY  
TOYOKAWA 442  
JAPAN

WATSON FREDERICK GARNETT  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.

WALMSLEY C MALCOLM DR  
MPI FUER RADIO-  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN 1  
GERMANY, F.R.

WALTER HANS G DR  
ASTRONOMISCHES  
RECHEN-INSTITUT  
MONCHHOFSTR 12-14  
D-6900 HEIDELBERG 1  
GERMANY, F.R.

WAMSTEKER W DR  
EUROPEAN SOUTHERN  
OBSERVATORY  
SCHLEISSHEIMERSTR 17  
D-8046 GARCHING  
GERMANY, F.R.

WANAS M I DR  
FACULTY OF SCIENCE  
CAIRO UNIVERSITY  
GEZA ORMAN  
ARAB REP. OF EGYPT

WAPSTRA AALDEXT H PROF  
VAN WOENSEL KDOIJ-  
LAAN 48  
1411 JZ NAARDEN  
THE NETHERLANDS

WARD WILLIAM R DR  
JPL  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.

WARMAN J DR  
INST DI ASTRONOMIA  
UNAM  
APT POSTAL 70-264  
04510 MEXICO JF  
MEXICO

WARNER PETER J DR  
CAVENDISH LABS  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HE  
U.K.

WARWICK ROBERT S DR  
PHYSICS DEPT  
UNIV OF LEICESTER  
LEICESTER LE1 7RH  
U.K.

WASSERMAN LAWRENCE H DR  
LOWELL OBS  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.

WATERFIELD REGINALD L DR  
WOOLSTON OBSERVATORY  
NORTH CADBURY NR  
YEovil SOMERSET  
U.K.

WATSON WILLIAM D PROF  
PHYSICS DEPT  
UNIVERSITY  
OF ILLINOIS  
URBANA IL 61801  
U.S.A.

WALRAVEN TH DR  
P O BOX 98  
CORNELIA  
ORANGE FREESTATE  
9850  
SOUTH AFRICA

WALTER KURT PROF DR  
ASTRONOMISCHES INSTI  
TUT DER UNIVERSITAET  
WALDHAUSERSTR 64  
D-7400 TUEBINGEN  
GERMANY, F.R.

WAN LAI  
ZC-SE SECTION  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA

WANG SHOU-GUAN  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

WARD MARTIN JOHN  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.

WARDLE JOHN F C PROF  
PHYSICS DEPT  
BRANDEIS UNIVERSITY  
WALTHAM MA 02154  
U.S.A.

WARNER BRIAN PROF  
ASTRONOMY DEPT  
UNIVERSITY OF CAPE  
TOWN PONDEBOSCH  
CAPE TOWN 7700  
SOUTH AFRICA

WARREN WAYNE H JR DR  
NASA-GSFC  
CODE 601  
GREENBELT MD 20771  
U.S.A.

WARZEE J DR  
115 RUE MATTOT  
8-1410 WATERLOO  
BELGIUM

WASSON JOHN T  
DEPT CHEMISTRY  
UNIVERSITY OF CALIF  
LOS ANGELES CA 90024  
U.S.A.

WATERWORTH MICHAEL DR  
UNIVERSITY TASMANIA  
GPO BOX 252C  
HOBART 7001  
AUSTRALIA

WATT GRAEME DAVID  
11 HIGHFIELD AVE  
SALE CHESHIRE M333DW  
U.K.

- WATTENBERG J PROF  
LINDENHOFSTR 57  
DDR 1150 BERLIN  
G.D.R.
- WEAVER THOMAS A DR  
PHYSICS DEPT L-372  
LAWRENCE LIVERM LAB  
P O BOX 808  
LIVERMORE CA 94550  
U.S.A.
- WEBER STEPHEN VANCE  
DEPT OF PHYSICS &  
ASTRONOMY  
DARTMOUTH COLLEGE  
HANOVER NH 03755  
U.S.A.
- WEBSTER B LOUISE DR  
ANGLO AUSTRALIAN  
OBSERVATORY  
P O BOX 296  
EPPING NSW 2121  
AUSTRALIA
- WEGNER GARY ALAN  
DEPT OF ASTRONOMY  
525 DAVEY LAB  
UNIVERSITY PARK  
PA 16802  
U.S.A.
- WEHLAU WILLIAM H PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
WESTERN ONTARIO  
LONDON ONT N6A 5B9  
CANADA
- WEIGERT ALFRED PROF  
HAMBURGER STERNWARTE  
GOJENBERGSWEG 112  
D-2050 HAMBURG 80  
GERMANY, F.R.
- WEILL GILBERT M DR  
CNES  
129 RUE L'UNIVERSITE  
F-75327 PARIS  
FRANCE
- WEINBERG STEVEN DR.  
DEPT OF PHYSICS  
HARVARD UNIVERSITY  
CAMBRIDGE MA 02138  
U.S.A.
- WEISS NIGEL U DR  
DAMPT SILVER STREET  
CAMBRIDGE CB3 9EW  
U.K.
- WEISSMAN PAUL ROBERT  
JET PROPULSION  
LAB 193-331  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.
- WELCH WILLIAM J PROF  
RADIO ASTRONOMY LAB  
UNIV OF CALIFORNIA  
617 CAMPBELL HALL  
BERKELEY CA 94720  
U.S.A.
- WAYMAN PATRICK A PROF  
DUNSKIN OBSERVATORY  
CASTLEKNOCK  
CO DUBLIN  
IRELAND
- WEBBER JOHN C DR  
UNIVERSITY OF ILLI-  
NOIS OBSERVATORY  
URBANA IL 61801  
U.S.A.
- WEBROVA LUDMILA DR  
ASTRONOMICAL INST  
CZECHO ACADEMY SC  
BUNECSKA 6  
120 23 PRAHA  
CZECHOSLOVAKIA
- WEEDMAN DANIEL W ASS PROF  
DYER OBSERVATORY  
VANDERBILT UNIV  
BOX 1803  
NASHVILLE TN 37235  
U.S.A.
- WEHINGER PETER A DR  
1606 E WEST WIND WAY  
TEMPE AZ 85283  
U.S.A.
- WEHRSE RAINER DR  
INSTITUT F THEORETI-  
SCHE ASTROPHYSIK  
IM NEUENHEIMER F 294  
D-6900 HEIDELBERG  
GERMANY, F.R.
- WEILER EDWARD J DR  
PRINCETON UNIV OBS  
PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- WEIMER THEOPHILE P F DR  
OBSERVATOIRE  
DE PARIS  
61 AV L'OBSERVATOIRE  
F-75014 PARIS  
FRANCE
- WEISHEIT JON C DR  
THEORETICAL PHYSICS  
DIV L-71 LAWRENCE  
LIVERMOR NAT LAB  
LIVERMORE CA 94550  
U.S.A.
- WEISS WERNER W DR  
INST FUR ASTRON DER  
UNIV WIEN  
TUERKENSCHANZSTR 17  
A-1180 WIEN  
AUSTRIA
- WEISTROP DONNA W DR  
LAB FOR ASTRONOMY  
AND SOLAR PHYSICS  
CODE 681 NASA GSFC  
GREENBELT MD 20771  
U.S.A.
- WELIACHEW LEONID DR  
IRAM  
53 RUE DES MARTYRS  
F-38026 GRENOBLE  
FRANCE
- WEAVER HAROLD F PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF  
CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- WEBBINK RONALD F DR  
DEPT OF ASTRONOMY  
UNIV OF ILLINOIS  
URBANA IL 61801  
U.S.A.
- WEBSTER ADRIAN S DR  
14 CLARE HALL  
HERSCHEL ROAD  
CAMBRIDGE  
U.K.
- WEEKES TREVOR C DR  
MOUNT HOPKINS  
OBSERVATORY  
P O BOX 97  
AMADO AZ 85640  
U.S.A.
- WEHLAU AMFLIA DR  
ASTRONOMY DEPT  
UNIVERSITY OF  
WESTERN ONTARIO  
LONDON ONT N6A 5B9  
CANADA
- WEIDEMANN VOLKER PROF  
INST THEO PHY STERNW  
NEUE UNIV PHYSIK ZNT  
OLSHAUSENST GR N 61C  
D-2300 KIEL 1  
GERMANY, F.R.
- WEILER KURT W DR  
DIV ASTRONOMICAL SCS  
NSF  
1800 G ST NW  
WASHINGTON DC 20550  
U.S.A.
- WEINBERG J L DR  
SPACE ASTRONOMY LAB  
UNIV OF FLORIDA  
1810 NW 6TH STREET  
GAINESVILLE FL 32601  
U.S.A.
- WEISS EDWARD W DR  
VAN VLECK OBS  
WESLEYAN UNIV  
MIDDLETOWN CT 06457  
U.S.A.
- WEISSKOPF MARTIN CH DR  
NASA/MSFC CODE ES-62  
MARSHALL SFC AL35812  
U.S.A.
- WELCH GARY A DR  
DEPT OF ASTRONOMY  
ST MARY'S UNIVERSITY  
HALIFAX NS B3H 3C3  
CANADA
- WELLER CHARLES S DR  
NAVAL RESEARCH  
LAB CODE 4144  
WASHINGTON DC 20375  
U.S.A.

- WELLGATE G BERNARD MR  
CANEHEATH HOUSE  
ARLINGTON  
POLEGATE  
EAST SUSSEX BN26 6SJ  
U.K.
- WENDKER HEINRICH J PROF  
HAMBURGER STERNWART  
GOJENBERGSWEG 112  
0-2050 HAMBURG 80  
GERMANY, F.R.
- WENZEL W DR  
ZENTRALINSTITUT FUER  
ASTROPHYSIK  
STERNWARTEN SONNEBERG  
DDR-64 SONNEBERG  
G.D.R.
- WESSELIUS PAUL R DR  
DEPT SPACE RESEARCH  
P O BOX 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- WESTERHOUT GART DR  
SCIENTIFIC DIRECTOR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- WESTPHAL JAMES A DR  
CALTECH  
170-25  
169 SOUTH MUDD  
PASADENA CA 91125  
U.S.A.
- WHEELER J CRAIG  
ASSOC PROF  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- WHITAKER EWEN A  
4332 E SIXTH STREET  
TUCSON AZ 85711  
U.S.A.
- WHITE ORAN R DR  
HIGH ALTITUDE  
OBSERVATORY  
BOX 3000  
BOULDER CO 80307  
U.S.A.
- WHITE SIMON DAVID MANION  
ASTRONOMY DEPT  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- WHITFORD ALBERT E PROF  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95064  
U.S.A.
- WHITROW GERALD JAMES PROF  
41 HOME PARK RD  
WIMBLEDON  
LONDON SW19 7HS  
U.K.
- WELLMANN PETER PROF DR  
INST F ASTRON UND  
ASTROPHYSIK  
SCHEINER-STR 1  
D-8000 MUENCHEN 80  
GERMANY, F.R.
- WENIGER SCHAME DR  
OBSERVATOIRE  
DE MEUDON  
F-92190 MEUDON  
FRANCE
- WESEMAEL FRANCOIS DR  
DEPT DE PHYSIQUE  
UNIV DE MONTREAL  
C P 6128 SUCC A  
MONTREAL QUE H3C 3J7  
CANADA
- WESSON PAUL S DR  
DEPT OF PHYSICS  
UNIV OF ALBERTA  
EDMONTON ALB T6G 2J1  
CANADA
- WESTERLUND BENGT E PROF  
ASTRONOMICAL  
OBSERVATORY  
BOX 515  
S-751 20 UPPSALA  
SWEDEN
- WETHERILL GEORGE W  
DEPT TERRESTRIAL MAGNET  
CARNEGIE INST WASH  
5241 BROAD BR RD N W  
WASHINGTON DC 20015  
U.S.A.
- WHEELER JOHN A DR  
DEPT OF PHYSICS  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.
- WHITE GLENN J  
PHYSICS DEPT  
QUEEN MARY COLLEGE  
MILE END ROAD  
LONDON E1 4NS  
U.K.
- WHITE R STEPHEN PROF  
IGPP  
UNIVERSITY OF  
CALIFORNIA  
RIVERSIDE CA 92521  
U.S.A.
- WHITELOCK PATRICIA ANN DR  
SAAAO  
P O BOX 9  
OBSERVATORY 7935  
CAPE  
SOUTH AFRICA
- WHITNEY BALFOUR S  
1102 E MISSOURI  
NORMAN OK 73069  
U.S.A.
- WHITTET DOUGLAS C B DR  
DIV OF ASTRONOMY  
PRESTON POLYTECHNIC  
CORPORATION ST  
PRESTON PRI 2TQ  
U.K.
- WELLS DONALD C III DR  
KITZ PEAK NAT OBS  
P O BOX 26732  
TUCSON AZ 85726  
U.S.A.
- WENTZEL DONAT G DR  
ASTRONOMY PROGRAM  
UNIVERSITY MARYLAND  
COLLEGE PARK MD20742  
U.S.A.
- WESSELINK ADRIAAN J DR  
143 FALLS ROAD  
BETHANY CT 06525  
U.S.A.
- WEST RICHARD M DR  
ESU  
K-SCHWARZSCHILD-ST 2  
D-8046 GARCHING  
GERMANY, F.R.
- WESTFOLD KEVIN C PROF  
DEPT OF MATHEMATICS  
MONASH UNIVERSITY  
CLAYTON VICT 3168  
AUSTRALIA
- WEYMANN RAY J PROF  
STEWART OBSERVATORY  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.
- WHIPPLE FRED L DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- WHITE NATHANIEL M DR  
LOWELL OBS  
P O BOX 1269  
FLAGSTAFF AZ 86002  
U.S.A.
- WHITE RAYMOND E DR  
STEWART OBSERVATORY  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.
- WHITENAK J B DR  
CSIRO  
DIV OF RADIOPHYSICS  
P O BOX 76  
EPPTING NSW 2121  
AUSTRALIA
- WHITNEY CHARLES A PROF  
CENTER FOR ASTRO-  
PHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.
- WHITWORTH ANTHONY PETER  
DEPT OF APPLIED MATH  
AND ASTRONOMY  
UNIVERSITY COLLEGE  
CARDIFF CF1 1XL  
U.K.



- WICKRAMASINGHE D T DR  
INSTITUTE OF  
ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.
- WIDORN THOMAS DR  
GRINZINGERSTR 93 6  
A-1190 WIEN  
AUSTRIA
- WIELEBINSKI RICHARD PROF  
MPI FUER RADIO-  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- WIETH KNUDSEN NIELS P DR  
SVEND TRUSTSVEJ 12  
DK-1912 COPENHAGEN V  
DENMARK
- WILCOCK WILLIAM L PROF  
SCHOOL PHY MOLEC SC  
UNIV COLLEGE N WALES  
BANGOR GWYNEDD  
LL57 2UW WALES  
U.K.
- WILD PAUL DR  
ASTRONOMISCHES INST  
UNIVERSITAET BERN  
SIDLERSTR 5  
CH-3012 BERN  
SWITZERLAND
- WILKENING LAUREL L DR  
DEPT PLANETARY SCS  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- WILKINSON DAVID T  
PRINCETON UNIVERSITY  
JADWIN HALL  
PRINCETON NJ 08540  
U.S.A.
- WILLIAMSON RICHARD M  
FERNBANK SCIENCE CTR  
156 HEATON PARK DR  
ATLANTA GA 30307  
U.S.A.
- WILLIAMS DAVID A DR  
MATHEMATICS DEPT  
UMIST  
MANCHESTER M60 1QD  
U.K.
- WILLIAMS JOHN A DR  
PHYSICS DEPT  
ALBION COLLEGE  
ALBION MI 49224  
U.S.A.
- WILLIAMS THEODORE B DR  
PRINCETON UNIV OBS  
129 PEYTON HALL  
PRINCETON NJ 08540  
U.S.A.
- WICKRAMASINGHE N C PROF  
UNIVERSITY COLLEGE  
DEPT OF APPLIED MATH  
AND THEO PHYS  
CARGIFF CF1 1XL  
U.K.
- WIEDLING TORO DR  
VILLAVAEGEN 15  
S-611 00 NYKOEPIING  
SWEDEN
- WIELEN ROLAND PROF DR  
TECH UNIV BERLIN  
INST ASTRON/ASTROPH  
ERNST REUTER PLATZ 7  
D 1000 BERLIN 10  
GERMANY, F.R.
- WIITA JOSEPH PAUL  
DEPT OF ASTRONOMY &  
ASTROPHYSICS E1  
UNIV OF PENNSYLVANIA  
PHILADELPHIA PA19104  
U.S.A.
- WILCOX JOHN M PROF  
INSTITUTE FOR PLASMA  
RESEARCH  
STANFORD UNIVERSITY  
STANFORD CA 94305  
U.S.A.
- WILD PETER A T ASSOC PROF  
ASTRONOMY DEPT  
UNIVERSITY OF  
CAPE TOWN  
RONDEBOSCH 7700  
SOUTH AFRICA
- WILKINS GEORGE A DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.
- WILKINSON PETER N DR  
N R A L  
JODRELL BANK  
MACCLESFIELD  
CHESHIRE SK11 9DL  
U.K.
- WILLIAMS CAROL A  
ASSOC PROF  
DEPT OF ASTRONOMY  
UNIVERSITY S FLORIDA  
TAMPA FL 33620  
U.S.A.
- WILLIAMS IWAN P DR  
APPLIED MATH DEPT  
QUEEN MARY COLLEGE  
MILE END RD  
LONDON E1 4NS  
U.K.
- WILLIAMS PEREDUR M DR  
UK INFRARED  
TELESCOPE UNIT  
900 LEILANI ST  
HILO HI 96720  
U.S.A.
- WILLIS A G DR  
DEPT OF PHYSICS  
BRANDEIS UNIVERSITY  
WALTHAM MA 02154  
U.S.A.
- WIDING KENNETH G DR  
CODE 7144  
US NAVAL RESEARCH  
LABORATORY  
WASHINGTON DC 20375  
U.S.A.
- WIEHR ERERHARD DR  
UNIV STERNWARTE  
GEISMARLAND STR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.
- WIESE WOLFGANG L DR  
NATIONAL BUREAU OF  
STANDARDS  
WASHINGTON DC 20234  
U.S.A.
- WIJNBERGEN JOHANNES DR S  
LAB VOOR  
RUITTEONDERZOEK  
HOUGBOUW 800  
9700 AV GRONINGEN  
THE NETHERLANDS
- WILD JOHN PAUL DR  
CSIRO RADIOPHYSICS  
PO BOX 76  
EPPING NSW 2021  
AUSTRALIA
- WILDEY ROBERT L PROF DR  
NORTHERN ARIZONA  
UNIVERSITY  
ASTROPHYSICAL OBS  
FLAGSTAFF AZ 86011  
U.S.A.
- WILKINSON ALTHEA  
6 HAWTHORN GROVE  
WILMSLOW  
CHESHIRE SK9 5DE  
U.K.
- WILL CLIFFORD M DR  
DEPT OF PHYSICS  
WASHINGTON UNIV  
ST LOUIS MO 63130  
U.S.A.
- WILLIAMS D DR  
RADIO-ASTRONOMY LAB  
UNIV OF CALIFORNIA  
BERKELEY CA 94720  
U.S.A.
- WILLIAMS JAMES G DR  
JPL 264-720  
4800 OAK GROVE DRIVE  
PASADENA CA 91103  
U.S.A.
- WILLIAMS ROBERT E PROF  
STEWART OBSERVATORY  
UNIVERSITY OF  
ARIZONA  
TUCSON AZ 85721  
U.S.A.
- WILLIS ALAN J DR  
DEPT OF PHYSICS  
AND ASTRONOMY  
UNIV COLLEGE LONDON  
LONDON  
U.K.

WILLMORE A PETER PROF  
SPACE RESEARCH DEPT  
UNIV OF BIRMINGHAM  
PO BOX 363  
BIRMINGHAM B15 2TT  
U.K.

WILLS DEREK DR  
ASTRONOMY DEPT  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.

WILLSTROP RODERICK V DR  
INST OF ASTRONOMY  
MADINGLEY ROAD  
CAMBRIDGE CB3 0HA  
U.K.

WILSON BRIAN G PROF  
UN OF QUEENSLAND  
55 WALCOTT STREET  
ST LUCIA QLD 4067  
AUSTRALIA

WILSON LIONEL DR  
LUNAR AND PLANETARY  
UNIT E S DEPT  
LANCASTER UNIVERSITY  
LANCASTER LA1 4YR  
U.K.

WILSON PETER R PROF  
DEPT OF APPLIED  
MATHEMATICS  
UNIVERSITY OF SYDNEY  
SYDNEY 2007  
AUSTRALIA

WILSON ROBERT E PROF  
DEPT OF ASTRONOMY  
UNIV OF FLORIDA  
GAINESVILLE FL 32611  
U.S.A.

WILSON S J  
DEPT OF APPLIED PHYS  
& INFORMATION SC  
UNIV OF CALIFORNIA  
LA JOLLA CA 92093  
U.S.A.

WINCKLER JOHN R PROF  
SCHOOL OF PHYSICS  
AND ASTRONOMY  
UNIV OF MINNESOTA  
MINNEAPOLIS MN 55455  
U.S.A.

WINKLER FRANK P DR  
DEPT OF PHYSICS  
MIDDLEBURY COLLEGE  
MIDDLEBURY VT 05753  
U.S.A.

WINNBERG ANDERS DR  
ONSAALA SPACE OBS  
S-43900 ONSALA  
SWEDEN

WITHBROE GEORGE L DR  
CTR F ASTROPHYSICS  
HARVARD COLLEGE OBS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

WILLNER STEVEN PAUL DR  
CTR FOR ASTROPHYSICS  
60 GARDEN STREET  
CAMBRIDGE MA 02138  
U.S.A.

WILLSON LEE ANNE DR  
E W FICK OBSERVATORY  
PHYSICS  
IOWA ST UNIVERSITY  
AMES IA 50011  
U.S.A.

WILSON ALBERT G DR  
RESEARCH PROGRAM  
STUDIES  
P O BOX 113  
TOPANGA CA 90290  
U.S.A.

WILSON CURTIS A  
ST. JOHN'S COLLEGE  
ANNAPOLIS MD 21404  
U.S.A.

WILSON OLIN C  
HALE OBSERVATORIES  
813 SANTA BARBARA ST  
PASADENA CA 91106  
U.S.A.

WILSON R N DR  
ESO  
K SCHWARZSCHILD ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.

WILSON ROBERT PROF  
DEPT PHYS ASTRONOMY  
UNIV COLLEGE LONDON  
GOWER ST  
LONDON WC1E 6BT  
U.K.

WILSON THOMAS L DR  
MPI FUER RADIO-ASTRO  
NOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

WING ROBERT F PROF  
ASTRONOMY DEPT  
OHIO ST UNIVERSITY  
174 WEST 18TH AVE  
COLUMBUS OH 43210  
U.S.A.

WINKLER GERNOT M R DR  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.

WINNEWISSER GIBERT DR  
MPI FUER RADIO-  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

WITT ADOLF N DR  
RITTER ASTROPHYSICAL  
RESEARCH CENTER  
UNIVERSITY OF TOLEDO  
TOLEDO OH 43605  
U.S.A.

WILLS BEVERLEY J DR  
DEPT OF ASTRONOMY  
RLM 15 212  
UNIVERSITY OF TEXAS  
AUSTIN TX 78712  
U.S.A.

WILLSON ROBERT FREDERICK  
DEPT OF PHYSICS  
TUFTS UNIVERSITY  
MEDFORD MD 02155  
U.S.A.

WILSON ANDREW S DR  
ASTRONOMY CENTRE  
UNIVERSITY OF SUSSEX  
FALMER  
BRIGHTON BN1 9QH  
U.K.

WILSON JAMES R DR  
LAWR LIVERMORE LAB  
L-35  
LIVERMORE CA 94550  
U.S.A.

WILSON P DR  
INST ANGEW GEOAESIE  
R-STRAUSS-ALLEE 11  
D-6000 FRANKFURT M  
GERMANY, F.R.

WILSON RAYMOND H DR  
5325 GAINSBOROUGH DR  
FAIRFAX VA 22032  
U.S.A.

WILSON ROBERT W DR  
BELL LABORATORIES  
HOH L229  
BOX 400  
HOLMDEL NJ 07733  
U.S.A.

WILSON WILLIAM J DR  
JPL  
BLOG 168-327  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.

WINK JOERN ERHARD DR  
MPI FUER  
RADIOASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.

WINKLER KARL-HEINZ A DR  
MPI FUER ASTROPHYSIK  
KARL-SCHWARZSCHILD-  
STR 1  
D-8046 GARCHING B M  
GERMANY, F.R.

WISNIEWSKI WIESLAW Z  
UNIVERSITY ARIZONA  
LUNAR AND PLANETARY  
LABORATORY  
TUCSON AZ 85721  
U.S.A.

WITTEN LOUIS PROF  
DEPT OF PHYSICS  
UNIVERSITY OF  
CINCINNATI  
CINCINNATI OH 45221  
U.S.A.

- WITTMANN AXEL DIETER PH D  
UNIV STERNWART  
GEISMARLANDSTR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.
- WOEHL HUBERTUS DR  
KIEPENHEUER INSTITUT  
FUER SONNENPHYSIK  
SCHOENECKSTRASSE 6  
D-7800 FREIBURG  
GERMANY, F.R.
- WOLFE ARTHUR M PROF  
DEPT OF PHYSICS AND  
ASTRONOMY  
UNIV OF PITTSBURGH  
PITTSBURGH PA 15260  
U.S.A.
- WOLSTENCROFT RAMON D DR  
ROYAL OBSERVATORY  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- WOOD DAVID R DR  
WOOD ASSOCIATES  
5108 VIKING RD  
BETHESDA MD 20014  
U.S.A.
- WOOD III H J DR  
DEPT OF ASTRONOMY  
UNIV OF VIRGINIA  
CHARLOTTESVL VA22903  
U.S.A.
- WOOD ROGER DR  
ROYAL GREENWICH OBS  
HERSTMONCEUX CASTLE  
HAILSHAM  
E SUSSEX BN27 1RP  
U.K.
- WOOLEY SIR RICHARD  
4 MYRTLE STREET  
SOMERSET WEST  
CAPE 7130  
SOUTH AFRICA
- WOOLSEY E G  
695 BRIERWOOD  
OTTAWA ONT  
CANADA
- WORDEN SIMON P DR  
HQ SD/YBE  
P O BOX 92960  
L A AIR FORCE STA  
LOS ANGELES CA 90009  
U.S.A.
- WORRALL GORDON DR  
BIRDSWOOD  
EARDISLEY HERFFDS  
U.K.
- WRAY JAMES D DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TEXAS  
RL MOORE HALL 15-212  
AUSTIN TX 78712  
U.S.A.
- WITZEL ARNO DR  
MPI FUER RADIO-  
ASTRONOMIE  
AUF DEM HUEGEL 69  
D-5300 BONN  
GERMANY, F.R.
- WOLF BERNHARD PH D  
MOMBERTSTRASSE 5  
D-6900 HEIDELBERG  
GERMANY, F.R.
- WOLFENDALE ARNOLD W PROF  
PHYSICS DEPT  
UNIVERSITY  
SOUTH ROAD  
DURHAM DH1 3LE  
U.K.
- WOLSZCZAN ALEKSANDER DR  
N COPERNICUS ASTRON  
CENTER  
CHOPINA 12/19  
87-100 TORUN  
POLAND
- WOOD F BRADSHAW PROF  
DEPT OF ASTRONOMY  
SSRB 211  
UNIVERSITY FLORIDA  
GAINESVILLE FL 32611  
U.S.A.
- WOOD JOHN A DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.
- WOODSWORTH ANDREW W DR  
HERZBERG INSTITUTE  
OF ASTROPHYSICS  
NRC  
OTTAWA ONT K1A 0R6  
CANADA
- WODLF NEVILLE J  
STEWART OBSERVATORY  
UNIV OF ARIZONA  
TUCSON AZ 85721  
U.S.A.
- WOOSLEY S E PROF  
LICK OBSERVATORY  
UNIVERSITY OF CALIF  
SANTA CRUZ CA 95064  
U.S.A.
- WORLEY CHARLES E  
ASTROMETRY AND ASTRO  
PHYSICS DIVISION  
US NAVAL OBSERVATORY  
WASHINGTON DC 20390  
U.S.A.
- WOSZCZYK ANDRZEJ DR  
INST OF ASTRONOMY  
CHOPINA 12-18  
87100 TORUN  
POLAND
- WRIGHT ALAN E DR  
AUSTRALIAN NATIONAL  
RADIO ASTRONOMY OBS  
P O BOX 276  
PARKES NSW 2870  
AUSTRALIA
- WLERICK GERARD DR  
OBSERVATOIRE PARIS  
F-92190 MEUDON  
FRANCE
- WOLF RAINER E A DR  
MPI FUER ASTRONOMIE  
KOENIGSTUHL  
D-6900 HEIDELBERG 1  
GERMANY, F.R.
- WOLFF SIDNEY C DR  
INSTITUTE FOR  
ASTRONOMY  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.
- WOLTJER LODEWIJK PROF  
ESO  
K SCHWARZSCHILD ST 2  
D-8046 GARCHING B M  
GERMANY, F.R.
- WOOD HARLEY W DR  
178 KENTHURST RD  
KENTHURST 2154  
AUSTRALIA
- WOOD PETER R DR  
MT STROMLO AND  
SIDING SPRING OBS  
PRIVATE BAG  
WODEN A C T 2606  
AUSTRALIA
- WOODWARD P R DR  
T DIV L-71 UN OF CAL  
LAWRENCE LIVERM LAB  
P O BOX 808  
LIVERMORE CA 94550  
U.S.A.
- WOULFSON MICHAEL M PROF  
UNIVERSITY OF YORK  
YORK YO1 5DD  
U.K.
- WOJTEN HENRY ALWYN  
NRAO  
EDGEMONT ROAD  
CHARLOTTESVL VA22901  
U.S.A.
- WORRALL DIANA MARY  
CASS CODE C-011  
UNIV OF CALIFORNIA  
AT SAN DIEGO  
LA JOLLA CA 92093  
U.S.A.
- WRAMDENMARK STIG S O DR  
LUND OBSERVATORIET  
BOX 1107  
S-221 04 LUND  
SWEDEN
- WRIGHT EDWARD L DR  
DEPT OF PHYSICS  
RM 26-345  
MIT  
CAMBRIDGE MA 02139  
U.S.A.

WRIGHT FRANCES W DR  
ASTRONOMY DEPT  
HARVARD COLLEGE  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

WRIGHT JAMES P DR  
DIV ASTRONOMICAL SC  
NAT SC FOUND RM 615  
1800 G STREET N W  
WASHINGTON DC 20550  
U.S.A.

WRIXON GEORGE T DR  
DEPT OF ELECTRICAL  
ENGINEERING  
UNIVERSITY COLLEGE  
CORK  
IRELAND

WU LIN-XIANG  
DEPT OF GEOPHYSICS  
BEIJING UNIVERSITY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

WU SHOU-XIAN  
SHAANXI OBSERVATORY  
LINTONG XIAN  
SHAANXI  
PEOPLE'S REPUBLIC CHINA

WYLLER ARNE A PROF  
STOCKHOLM  
OBSERVATORY  
S-133 00  
SALTSJOBADEN  
SWEDEN

XANTHAKIS JOHN N PROF  
R C A A M  
ACADEMY OF ATHENS  
14 ANAGNOSTOPOULOU  
ATHENS 136  
GREECE

XING JUN  
DEPT OF GEOPHYSICS  
BEIJING UNIVERSITY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

XU JIA-YAN  
P O BOX 18  
LINTONG  
SHAANXI  
PEOPLE'S REPUBLIC CHINA

YABUSHITA SHIN A PROF  
DEPT OF APPLIED MATH  
AND PHYSIC  
KYOTO UNIVERSITY  
SAKYOKU KYOTO 606  
JAPAN

YAKOVKIN N A DR  
KIEV STATE UNIV  
ASTRONOMICAL OBS  
252053 KIEV  
U.S.S.R.

YAMASAKI ATSUMA DR  
DEPT EARTH SC ASTRON  
UNIVERSITY OF TOKYO  
KOMABA MEGURO-KU  
TOKYO 153  
JAPAN

WRIGHT GEOFFREY A E DR  
INST F ASTROPHYS UND  
EXTRATERR FORSCHUNG  
AUF DEM HUEGEL 71  
D-5300 BONN  
GERMANY, F.R.

WRIGHT KENNETH J DR  
DOMINION ASTROPH OBS  
5071 W SAANICH ROAD  
RR 5  
VICTORIA BC V8X 4M6  
CANADA

WU CHI CHAO DR  
COMPUTER SCIENCES CO  
NASA GODDARD SPACE  
FLIGHT CNTR CODE 685  
GREENBELT MD 20771  
U.S.A.

WU MING-CHAN  
YUNNAN OBSERVATORY  
KUNMING  
YUNNAN PROVINCE  
PEOPLE'S REPUBLIC CHINA

WU XUE-LIN  
NANJING ASTRONOMICAL  
INSTRUMENT FACTORY  
NANJING  
JIANGSU PROVINCE  
PEOPLE'S REPUBLIC CHINA

WYNN-WILLIAMS C G DR  
INST FOR ASTRONOMY  
UNIVERSITY OF HAWAII  
2680 WOODLAWN DRIVE  
HONOLULU HI 96822  
U.S.A.

XANTHOPOULOS B C DR  
DEPT OF ASTRONOMY  
UNIV OF THESSALONIKI  
THESSALONIKI  
GREECE

XIONG DA-RUN  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA

XU PEI-YUAN  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA

YABUUTI KIYOSHI PROF  
20 TANAKA HISAKI  
HINOKUCH MACHI  
SAKYOKU 606 KYOTO  
JAPAN

YALLOP BERNARD D DR  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

YAMASHITA KOJUN DR  
DEPT OF PHYSICS  
NAGOYA UNIVERSITY  
FUROCHO CHIKUSAKU  
NAGOYA 464  
JAPAN

WRIGHT HELEN  
173 FOREST LAKE DR  
ANDOVER NJ 07821  
U.S.A.

WRIGHT MELVYN C H DR  
RADIO ASTRONOMY  
LABORATORY  
UNIVERSITY OF CALIF  
BERKELEY CA 94720  
U.S.A.

WU HSIN-HENG DR  
DEPT OF PHYSICS  
NAT CENTAL UNIV  
CHUNG-LI  
TAIWAN

WU SHI TSAN DR  
SCHOOL SCIENCE ENGIN  
UNIV OF ALABAMA  
P O BOX 1247  
HUNTSVILLE AL 35801  
U.S.A.

WYCKOFF SUSAN DR  
PHYSICS DEPT  
ARIZONA STATE UNIV  
TEMPE AZ 85281  
U.S.A.

WYNNE CHARLES G PROF  
ROYAL GREENWICH  
OBSERVATORY  
HAILSHAM  
EAST SUSSEX BN27 1RP  
U.K.

XI ZE-ZONG  
INSTITUTE OF THE  
HISTORY OF NATURAL  
SCIENCE  
BEIJING  
PEOPLE'S REPUBLIC CHINA

XU BANG-XIN  
DEPT OF ASTRONOMY  
NANJING  
PEOPLE'S REPUBLIC CHINA

XU TONG-QI  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA

YAHIL AMOS DR.  
ASTRONOMY PROGRAM  
ESS BUILDING  
SUNY AT STONY BROOK  
STONY BROOK NY 11794  
U.S.A.

YAMAMOTO TETSUO DR  
INST OF SPACE &  
ASTRONAUTICAL SC  
KOMABA MEGURO-KU  
TOKYO 153  
JAPAN

YAMASHITA YASUMASA PROF  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA  
MITAKA TOKYO 181  
JAPAN

- YAMAZAKI AKIRA DR  
HYDROGRAPHIC DEPT  
TSUKIJI 5 CHUO KU  
TOKYO 104  
JAPAN
- YANKULOVA IVANKA DR  
DEPT OF ASTRONOMY  
FACULTY OF PHYSICS  
ANTON IVANOV STR 5  
1126 SOFIA  
BULGARIA
- YAROV-YAROVJ M S DR  
MATHEMATICS DEPT  
OF MVTU  
107005 MOSCOW  
U.S.S.R.
- YAVNEL ALEXANDER A DR  
METEORITE COMMITTEE  
ACADEMY OF SCIENCES  
UL M ULIANOVJ 3 K 1  
117313 MOSCOW  
U.S.S.R.
- YEIVIN Y PROF  
TEL-AVIV UNIVERSITY  
TEL-AVIV  
ISRAEL
- YI ZHAO-HUA  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- YIN QI-FENG  
DEPT GEOPHYSICS  
PEKING UNIVERSITY  
PEKING  
PEOPLE'S REPUBLIC CHINA
- YONEYAMA TADAKI DR  
3-14-3-802  
OHKUBO  
SHINJUKU-KU  
TOKYO 112  
JAPAN
- YOSHIDA JUNZO PROF  
DEPT OF PHYSICS  
KYOTO SANGYO UNIV  
KAMIGAMO KITA-KU  
KYOTO 603  
JAPAN
- YOSHIZAWA MASANDRI DR  
TOKYO ASTRON OBS  
OSAWA 2-21-1  
MITAKA  
TOKYO 181  
JAPAN
- YOU JUN-HAN  
ASTROPHYS RES DIV  
UNIV SC & TECH CHINA  
HEIFI  
ANHUI PROVINCE  
PEOPLE'S REPUBLIC CHINA
- YOUNG JUDITH SHORN  
FIVE CLG RAD  
619 I GRC TOWER 3  
UNIV MASSACHUSETTS  
AMHERST MA 01003  
U.S.A.
- YANG HAI SHOU  
ASTROPHYSICS DIV  
GEOPHYSICS DEPT  
PEKING UNIVERSITY  
BEIJING  
PEOPLE'S REPUBLIC CHINA
- YANOVITSKIJ EDGARDT G DR  
MAIN ASTRONOMICAL OB  
UKRAINIAN  
252127 KIEV  
U.S.S.R.
- YASUDA HARUO PROF DR  
TOKYO ASTRONOMICAL  
OBSERVATORY  
OSAWA  
MITAKA TOKYO 181  
JAPAN
- YE SHI-HUI  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- YEN YUI-LIN PROF  
DEPT OF ELECTRICAL  
ENGINEERING  
UNIVERSITY TORONTO  
ONT M5S 1A4  
CANADA
- YILMAZ FATMA DR  
OBS DE L'UNIVERSITE  
ISTANBUL  
TURKEY
- YODER CHARLES F  
JET PROPULSION LAB  
4800 OAK GROVE DRIVE  
PASADENA CA 91109  
U.S.A.
- YORK DONALD G DR  
PEYTON HALL  
PRINCETON UNIVERSITY  
PRINCETON NJ 08540  
U.S.A.
- YOSHII YUZURU DR  
TOKYO ASTRON OBS  
UNIV OF TOKYO  
MITAKA 181  
JAPAN
- YOSS KENNETH M DR  
ASTRONOMY DEPT  
UNIV OF ILLINOIS  
OBSERVATORY  
URBANA IL 61801  
U.S.A.
- YOUNG ANDREW T DR  
DEPT OF ASTRONOMY  
SAN DIEGO STATE UN  
SAN DIEGO CA 92182  
U.S.A.
- YOUNG LOUISE GRAY DR  
DEPT OF ASTRONOMY  
SAN DIEGO STATE UN  
SAN DIEGO CA 92182  
U.S.A.
- YANG SHI JIE  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- YAPLEE B S  
8 CREST VIEW COURT  
ROCKVILLE MD 20854  
U.S.A.
- YATSKIV YA S DR  
MAIN ASTRONOMICAL  
OBS UKRAINIAN ACADE-  
MY OF SCIENCES  
252127 KIEV  
U.S.S.R.
- YE SHU-HUA  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA
- YEDMANS DONALD K DR  
JET PROPULSION LAB  
4800 OAK GROVE DR  
PASADENA CA 91103  
U.S.A.
- YILMAZ NIHAL DR  
FACULTY OF SCIENCE  
DEPT OF ASTRONOMY  
ANKARA  
TURKEY
- YOKOYAMA KJICHI DR  
INTERNATIONAL LATITU  
DE OBSERVATORY  
MIZUSAWA IWATE 023  
JAPAN
- YORKE HAROLD W DR  
UNIV STERNWART  
GEISMARLAND STR 11  
D-3400 GOETTINGEN  
GERMANY, F.R.
- YOSHIMURA HIROKAZU DR  
DEPT OF ASTRONOMY  
UNIVERSITY OF TOKYO  
YAYOI BUNKYO  
TOKYO 113  
JAPAN
- YOU JIAN-QI  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- YOUNG ARTHUR DR  
ASTRONOMY DEPT  
SAN DIEGO STATE UNIV  
SAN DIEGO CA 92180  
U.S.A.
- YOUSEF SHAHINAZ M DR  
ASTRONOMY DEPT  
FACULTY OF SCIENCE  
CAIRO UNIVERSITY  
CAIRO  
ARAB REP. OF EGYPT

- YOUSSEF NAHED H DR  
ASTRONOMY DEPT  
FACULTY OF SCIENCE  
CAIRO UNIVERSITY  
CAIRO  
ARAB REP. OF EGYPT
- YUASA MANABU DR  
DEPT OF MATH & PHYS  
KINKI UNIVERSITY  
HIGASHI-OSAKA  
OSAKA 577  
JAPAN
- YUN HONG-SIK ASSOC PROF  
SEOUL NAT UNIVERSITY  
SINLIM-DONG  
KWANAK-KU  
SEOUL 151  
REPUBLIC OF KOREA
- ZADUNAISKY PEDRO E PROF  
OBS NAC FISICA COSM  
AV MITRE 3100  
1663 SAN MIGUEL  
BUENOS AIRES  
ARGENTINA
- ZAMORANI GIOVANNI  
ISTITUTO DI  
RADIOASTRONOMIA  
VIA IRNERIO 46  
I-40126 BOLOGNA  
ITALY
- ZAPPALA VINCENZO DR  
OSSERVATORIO ASTRO-  
NOMICO  
PINO TORINESE  
TORINO  
ITALY
- ZASOV ANATOLE V DR  
STERNBERG ASTRONOMI-  
CAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- ZEILIK MICHAEL II DR  
DEPT PHYSICS ASTRON  
UNIV OF NEW MEXICO  
800 YALE BLVD SE  
ALBUQUERQUE NM 87131  
U.S.A.
- ZEL'MANOV A L DR  
STERNBERG STATE AS-  
TRONOMICAL INSTITUTE  
117234 MOSCOW  
U.S.S.R.
- ZERULL REINER H DR  
RUHR-UNIV BOCHUM  
BEREICH EXTRATERRES-  
TRISCHE PHYSIK  
D-4630 BOCHUM  
GERMANY, F.R.
- ZHANG JIE-LIU  
ASTROPHYSICS RES DIV  
UNIV OF SCIENCE &  
TECHNOLOGY OF CHINA  
HEFEI ANHUI PROVINCE  
PEOPLE'S REPUBLIC CHINA
- ZHANG ZHEN-DA  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- YU KYUNG-LOH PROF  
SEOUL NAT UNIVERSITY  
SINLIM-DONG  
KWANAK-KU  
SEOUL 151  
REPUBLIC OF KOREA
- YUE ZENG-YUAN  
DEPT OF GEOPHYSICS  
PEKING UNIVERSITY  
PEKING  
PEOPLE'S REPUBLIC CHINA
- ZABRISKIE F R PROF  
R D 1  
ALEXANDRIA PA 16611  
U.S.A.
- ZAHN JEAN-PAUL DR  
OBSERVATOIRE DE NICE  
BP 252  
F-06007 NICE CEDEX  
FRANCE
- ZANDER RODOLPHE DR  
INST D ASTROPHYSIQUE  
UNIVERSITE DE LIEGE  
B-4200 COINTE DUGREE  
BELGIUM
- ZARE K DR  
DEPT OF MATHEMATICS  
TECHNICAL UNIVERSITY  
P O BOX 6934  
ISFAHAN  
IRAN
- ZDANAVICIUS KAZIMERAS DR  
ASTRONOMIJOS DRB  
VILNIUS 31  
CIURLIONIO 29  
LITHUNIA  
U.S.S.R.
- ZEIPPE C DR  
OBS DE MEUDON  
F-92190 MEUDON  
FRANCE
- ZELENKA ANTJINE DR  
DACHSLENBERGSTR  
CH 8180 BUFLACH  
SWITZERLAND
- ZHANG BAI-RONG  
YUNNAN OBSERVATORY  
KUNMING  
YUNNAN PROVINCE  
PEOPLE'S REPUBLIC CHINA
- ZHANG JIE-XIANG  
PURPLE MOUNTAIN  
OBSERVATORY  
ACADEMIA SINICA  
NANJING  
PEOPLE'S REPUBLIC CHINA
- ZHAO JUN-LIANG  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA
- YUAN CHI PROF  
DEPT OF PHYSICS  
CITY COLLEGE OF N.Y  
138 ST CONVENT AVE  
NEW YORK NY 10031  
U.S.A.
- YUMI S DR  
TOYO UNIVERSITY  
HAKUSAN 5-28-20  
BUNKYO-KU  
TOKYO 112  
JAPAN
- ZACHAROV IGOR DR  
ASTRONOMICAL INST  
CZECHO ACADEMY SC  
OBSERVATORY  
251 65 JNDREJOV  
CZECHOSLOVAKIA
- ZAITSEV VALERII V DR  
INST OF APPLIED PHYS  
ULYANOVA ST 46  
603600 GORKY  
U.S.S.R.
- ZAPPALA ROSARIO ALDO DR  
OSS ASTROFISICO  
CITTA UNIVERSITARIA  
I-95125 CATANIA  
ITALY
- ZARNECKI JAN CHARLES DR  
GIOTTO PROJECT OFF.  
PHYSICS LABORATORY  
UNIV. KENT AT CANTER  
CANTERBURY CT2 7NT  
U.K.
- ZEALEY WILLIAM J DR  
ROYAL OBS EDINBURGH  
BLACKFORD HILL  
EDINBURGH EH9 3HJ  
U.K.
- ZEL'DOVICH YA B ACAD  
SPACE RESEARCH  
INSTITUTE  
USSR ACADEMY OF SCI  
117810 MOSCOW  
U.S.S.R.
- ZELLNER BENJAMIN H DR  
LUNAR AND PLANETARY  
LABORATORY  
UNIVERSITY ARIZONA  
TUCSON AZ 85721  
U.S.A.
- ZHANG HE-QI  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
JIANGSU PROVINCE  
PEOPLE'S REPUBLIC CHINA
- ZHANG YJ-ZHE  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA
- ZHAO QUE-MIN  
DEPT OF ASTRONOMY  
NANJING UNIVERSITY  
NANJING  
PEOPLE'S REPUBLIC CHINA

ZHAO XIAN-ZI  
PURPLE MOUNTAIN  
OBSERVATORY  
NANJING  
PEOPLE'S REPUBLIC CHINA

ZHEVAKIN S A PROF DR  
RADIO PHYSICAL  
RESEARCH INSTITUTE  
603600 GORKIJ  
U.S.S.R.

ZIEBA ANDRZEJ PROF  
ASTRONOMICAL  
OBSERVATORY  
UL ORLA 171  
30-244 KRAKOW  
POLAND

ZIMMERMAN HELMUT DR  
UNIVERSITAETS  
STERNWARTEN JENA  
SCHILLERGAESSCHEN 2  
DDR-69 JENA  
G.D.R.

ZIOLKOWSKI KRZYSZTOF DR  
MICKIEWICZA 4 M 17  
01-517 WARSZAWA  
POLAND

ZLOBEC PAOLO DR  
S FLORIANA 1/A  
I-34015 MUGLIA  
ITALY

ZOU YI-XIN  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

ZUIDERWIJK E J  
BEECHES  
JOES LANE  
WINDMILL HILL  
HAILSHAM E SUSSEX  
U.K.

ZHELEZNIKOV VLADIMIR V  
PROF APPLIED PHYSICS  
INST ACADEMY SCIENCE  
ULYANOV STREET 46  
603600 GORKIJ  
U.S.S.R.

ZHU NENGHONG  
SHANGHAI OBSERVATORY  
ACADEMIA SINICA  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA

ZIEBA STANISLAW DR  
OBSERVATORIUM  
ASTRONOMICZNE UJ  
UL ORLA 171  
30-244 KRAKOW  
POLAND

ZINN ROBERT J DR  
DEPT OF ASTRONOMY  
YALE UNIVERSITY  
BOX 2023 YALE STAT  
NEW HAVEN CT 06520  
U.S.A.

ZIRIN HAROLD DR  
CAL TECH 264-33  
PASADENA CA 91125  
U.S.A.

ZOMBECK MARTIN V DR  
CTR FOR ASTROPHYSICS  
60 GARDEN ST  
CAMBRIDGE MA 02138  
U.S.A.

ZOU ZHEN-LONG  
BEIJING OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

ZVEREV MITROFAN S PROF DR  
PULKOVO OBSERVATORY  
196140 Leningrad  
U.S.S.R.

ZHENG WENQUANG  
BEIJING ASTRONOMICAL  
OBSERVATORY  
BEIJING  
PEOPLE'S REPUBLIC CHINA

ZHUGZHOA YUZE F DR  
INST OF TERRESTRIAL  
MAGNETISM &  
IONOSPHERE  
142092 ACADEMGOROK  
U.S.S.R.

ZIKIDES MICHAEL C DR  
DEPT OF ASTRONOMY  
PANEPISTIMIOPOLIS  
ATHENS 521  
GREECE

ZIOLKOWSKI J DR  
COPERNICUS ASTRONOMY  
CAL CENTER  
UL BARTYCKA 18  
00 716 WARSAW  
POLAND

ZIRKER JACK B DR  
SACRAMENTO PEAK  
OBSERVATORY  
SUNSPOT NM 88349  
U.S.A.

ZOU HUI-CHENG  
SHANGHAI OBSERVATORY  
SHANGHAI  
PEOPLE'S REPUBLIC CHINA

ZUCKERMAN BEN M DR  
ASTRONOMY PROGRAM  
UNIVERSITY MARYLAND  
COLLEGE PARK MD20742  
U.S.A.

ZWAAN CORNELIS DR  
OBSERVATORY  
ZONNEBURG 2  
3512 NL UTRECHT  
THE NETHERLANDS