

ALPHABETICAL LIST OF 1289 MEMBERS

LISTE ALPHABETIQUE DES 1289 MEMBRES

Names are given under the first letter of the first word, for example the name *Van den Bos* will be found under V.

The names of the countries are given in their English form.

Please inform the Assistant Secretary of the I.A.U., Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England, of any errors you may find in this list.

The list has been corrected to July, 1962.

Les noms figurent sous la première lettre du premier mot, par exemple le nom *Van den Bos* se trouverait sous V.

Les noms des pays ont été publiés en anglais.

Prière de bien vouloir signaler les erreurs qu'on relèverait dans la présente liste à la Secrétaire Adjointe de l'U.A.I., Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.

La liste a été corrigée jusqu'à juillet, 1962.

ABBOT (Dr C. G.), Astrophysical Observatory of the Smithsonian Institution, Washington, D.C., U.S.A.

ABBOTT (Prof. W. N.), 14 Odos Mourousi, Athens(K), Greece.

ABDALA (Dr J.), Edificio "P 10 x 11" primer piso No. 1, San Francisquito a Puente Ayacucho, Caracas, Venezuela.

ABELL (Dr G. O.), Astronomy Department, University of California, Los Angeles 24, California, U.S.A.

ABETTI (Prof. G.), Osservatorio Astrofisico di Arcetri, Via S. Leonardo 75, Firenze, Italy.

ABHYANKAR (Dr K. D.), Director of the Observatory of Hyderabad, Hyderabad, Deccan, India.

ABRAHAM (H. J.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.

ABRAMI (Dr A.), Osservatorio Astronomico, Trieste, Italy.

ABREU (Dr J. C. de Brito e), Observatorio Astronomico de Lisboa, Tapada, Lisbon, Portugal.

ABT (Dr H. A.), Kitt Peak National Observatory, 950 North Cherry Avenue, Tucson, Arizona, U.S.A.

ADAM (Miss Dr M. G.), University Observatory, Oxford, England.

ADAMOPOULOS (Dr G.), Rue Lamias No. 8, Athens (6), Greece.

ADAMS (A. N.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.

ADEL (Prof. A.), Atmospheric Research Observatory, Arizona State College, Flagstaff, Arizona, U.S.A.

AGEKIAN (Dr T. A.), University of Leningrad, Leningrad, U.S.S.R.

AHMED (Iman Ibrahim), Helwan Observatory, Helwan, near Cairo, Egypt.

AHNERT (Dr P.), Sternwarte, Sonneberg, Thüringen, Germany.

AKSENTJEVA (Mrs Dr Z. N.), Director of the Gravimetical Observatory of the Ukrainian Academy of Sciences, Poltava, U.S.S.R.

ALDEN (Dr H. L.), c.o. Leander McCormick Observatory, University of Virginia, Charlottesville, Virginia, U.S.A.

ALEXANDER (Dr A. F. O'D.), 1 Athelstan Road, Dorchester, Dorset, England.

ALFVÉN (Prof. H.), Royal Institute of Technology, Stockholm, Sweden.

ALLEN (Prof. C. W.), University of London Observatory, Mill Hill Park, London, N.W.7, England.

ALLER (Prof. L. H.), The Observatory, University of Michigan, Ann Arbor, Michigan, U.S.A.

ALLER (Dr R.), Observatorio Astronomico, Santiago, Spain.

ALMÁR (Dr I.), Konkoly Observatory, Szabadsághegy, Budapest XII, Hungary.

ALTER (Dr G.), Veverkova 8, Prague VII, Czechoslovakia.

- ALY (Dr M. K. M.), Deputy Director, Helwan Observatory, Helwan, near Cairo, Egypt.
- AMBARTSUMIAN (Prof. Dr V. A.), President of the Academy of Sciences of Armenian S.S.R., Erevan, Armenia, U.S.S.R. President of the Union.
- ANDRILLAT (Dr H.), Laboratoire d'Astronomie de la Faculté des Sciences de Montpellier, Hérault, France.
- ANDRILLAT (Mme Dr Y.), Laboratoire d'Astronomie de la Faculté des Sciences de Montpellier, Hérault, France.
- APPLETON (Sir Edward V.), The Old College, South Bridge, Edinburgh 8, Scotland.
- ARBEY (Dr L. M. J.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- ARENDE (Dr S. J. V.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- ARGUE (A. N.), The Observatories, Madingley Road, Cambridge, England.
- ARGYLE (P. E.), Dominion Astrophysical Observatory, Victoria, B.C., Canada.
- ARGYRAKOS (Prof. Dr J. G.), i 93, Pothissiou Street, Athens (8), Greece.
- ARP (Dr H. C.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- ARSAC (Dr J.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- ARTHUR (D. W. G.), Lunar and Planetary Laboratory, University of Arizona, Tucson, Arizona, U.S.A.
- ARTIUKHINA (Mrs Dr N. M.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- ASAAD (Dr A. S.), Helwan Observatory, Helwan, near Cairo, Egypt.
- ASHBROOK (Dr J.), 16 Summer Street, Weston 93, Massachusetts, U.S.A.
- ASTAPOVICH (Dr I. S.), Nikolsko-Botanitcheskaya, 15/17a log. 45, Kiev-33, U.S.S.R.
- ATANASIEVIC (Dr I.), Faculty of Sciences, Department of Mechanics and Astronomy, Belgrade 550, Yugoslavia.
- ATHAY (Dr R. G.), High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.
- ATKINSON (Dr R. d'E.), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.
- BABADJANOV (Dr P. B.), Director, Astrophysical Institute, Dushanbe, U.S.S.R.
- BABCOCK (Dr H. D.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- BABCOCK (Dr H. W.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- BACCHUS (Dr P.), Observatoire de Strasbourg, Strasbourg (Bas-Rhin), France.
- BAEHR (Dr U.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- BAESCHLIN (Prof. C. F.), Dammstrasse 25, Zollikon, Kanton Zürich, Switzerland.
- BAHNER (Dr K.), Landessternwarte, Königstuhl, Heidelberg, Germany.
- BAILLAUD (Prof. R.), 22 Rue des Fontenottes, Besançon (Doubs), France.
- BAIRD (Dr K. M.), Division of Applied Physics, National Research Council, Sussex Drive, Ottawa, Ontario, Canada.
- BAIZE (Dr P.), 26 Rue Daubigny, Paris-17e, France.
- BAKER (Dr J. G.), 60 Garden Street, Cambridge, Massachusetts, U.S.A.
- BAKER (Dr R. H.), 179 E. Villanova Drive, Claremont, California, U.S.A.
- BAKULIN (Dr P. I.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- BALÁZS-DETRE (Mrs Dr J.), Konkoly Observatory, Szabadsághegy, Budapest XII, Hungary.
- BALDET (Dr F.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- BALDWIN (Dr J. E.), Queen's College, Cambridge, England.

- BALLARIO (Prof. M. C.), Osservatorio Astrofisico di Arcetri, Via S. Leonardo 75, Firenze, Italy.
- BALLI (Mrs Dr E.), University Observatory, Beyazit, Istanbul, Turkey.
- BALTÁ (Dr J.), Universidad de Madrid, Madrid, Spain.
- BANERJI (Dr A. C.), Muir Central College, Allahabad University, Allahabad, India.
- BAPPU (Dr M. K. Vainu), Director, Astrophysical Observatory, Kodaikanal, India.
- BARABASHOV (Prof. Dr N. P.), Director of the Astronomical Observatory, Kharkov, U.S.S.R.
- BARBER (D. R.), Norman Lockyer Observatory, Salcombe Hill, Sidmouth, Devon, England.
- BARBIER (Dr D.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
- BARKHATOVA (Mrs Dr K. A.), State University, Sverdlovsk, U.S.S.R.
- BARNEY (Miss Dr I.), Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.
- BARRELL (Dr H.), Standards Division, National Physical Laboratory, Teddington, Middlesex, England.
- BARRETO (L. M.), Observatorio Nacional, Rua General Bruce, 586-Sao Cristóvao, Rio de Janeiro, Brazil.
- BARRETT (Dr A. H.), The Observatory, University of Michigan, Ann Arbor, Michigan, U.S.A.
- BARROS (Prof. Dr M. G. P. de), Observatorio Astronomico, Universidade do Porto, Monte da Virgem, Vila Nova de Gaia, Portugal.
- BARTAYA (Mrs Dr R. A.), Astrophysical Observatory, Abastumani, Georgia, U.S.S.R.
- BATES (Prof. D. R.), Department of Applied Mathematics, Queen's University, Belfast, Northern Ireland.
- BATESON (F. M.), Director of the Variable Star Section of the Royal New Zealand Astronomical Society, 9 Pooles Road, Greerton, Tauranga, New Zealand.
- BATRACOV (Dr J. W.), Institute of Theoretical Astronomy, Leningrad, U.S.S.R.
- BATTEN (Dr A. H.), Dominion Astrophysical Observatory, Victoria, B.C., Canada.
- BAUER (C. A.), Pennsylvania State University, Department of Physics, State College, Pennsylvania, U.S.A.
- BAUSTIAN (W. W.), Kitt Peak National Observatory, 950 North Cherry Avenue, Tucson, Arizona, U.S.A.
- BAUM (Dr W. A.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- BEALS (Dr C. S.), Dominion Astronomer, Dominion Observatory, Ottawa, Ontario, Canada.
- BECKER (Prof. Dr F.), Direktor der Universitäts-Sternwarte, Poppelsdorfer Allee 49, Bonn, Germany.
- BECKER (Prof. Dr W.), Astronomisch-Meteorologische Anstalt, Venusstrasse 7, Binningen (BL), Switzerland.
- BEČVÁŘ (Dr A.), Na nižším hrádku 167, Brandýs n.L., Czechoslovakia.
- BEER (Dr A.), The Observatories, Madingley Road, Cambridge, England.
- BEHR (Dr A.), Universitäts-Sternwarte, Geismarlandstrasse 11, Göttingen, Germany.
- BELL (Miss Dr Barbara), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- BELORIZKY (Dr D.), Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- BERKNER (Dr L. V.), 3632 N.E. 24th Avenue, Fort Lauderdale, Florida, U.S.A.
- BERTAUD (Dr Ch.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- BERTIAU (Dr F. C.), Specola Vaticana, Castel Gandolfo, Vatican City State.
- BEYER (Dr M.), Justus-Brinckmann-Strasse 101, Hamburg-Bergedorf, Germany.
- BHATNAGAR (Dr P. L.), Department of Applied Mathematics, Indian Institute of Science, Bangalore 3, South India.
- BIDELMAN (Dr W. P.), Lick Observatory, Mount Hamilton, California, U.S.A.
- BIERMANN (Prof. Dr L.), Max-Planck Institut für Physik und Astrophysik, Institut für Astrophysik, Aumeisterstrasse 6, München 23, Germany.

- BIGAY (Dr J.), Observatoire de Lyon, Saint-Genis-Laval (Rhône), France.
- BILLAUD (G.), Observatoire d'Alger, Bouzarea, Algeria.
- BILLINGS (Dr D. E.), High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.
- BINNENDIJK (Prof. Dr L.), Physical Science Building, Walnut and 33rd Street, Philadelphia, Pennsylvania, U.S.A.
- BIRKENMAJER (Prof. A.), 23/25, rue Nowy Swiat, Warsaw, Poland.
- BLAAUW (Prof. A.), Director of the Kapteyn Astronomical Laboratory, Broerstraat 7, Groningen, the Netherlands.
- BLACKETT (Prof. P. M. S.), Imperial College of Science and Technology, South Kensington, London, S.W.7, England.
- BLACKWELL (Dr D. E.), University Observatory, Oxford, England.
- BLAHA (Dr M.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- BLAMONT (Prof. J. E.), Service d'Aéronomie, Observatoire de Meudon, Meudon (Seine-et-Oise), France.
- BLANCO (Dr V. M.), Warner and Swasey Observatory, Case Institute of Technology, E. Cleveland 12, Ohio, U.S.A.
- BLASER (Prof. J. P.), Directeur de l'Observatoire de Neuchâtel, Neuchâtel, Switzerland.
- BLITZSTEIN (Dr W.), Flower and Cook Observatory, University of Pennsylvania, Philadelphia 4, Pennsylvania, U.S.A.
- BLOCH (Mlle Dr M.), Observatoire de Lyon, Saint-Genis-Laval (Rhône), France.
- BLUM (Dr E. J.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- BOBROV (Dr M. S.), Astronomical Council, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- BOBROVNIKOFF (Dr N. T.), The Ohio State University, Columbus, Ohio, U.S.A.
- BOGESS (Dr A. III), Goddard Space Flight Center, Washington 25, D.C., U.S.A.
- BOGORODSKY (Dr A. F.), Astronomical Observatory of the Kiev University, Kiev, U.S.S.R.
- BÖHM (Prof. Dr K. H.) Institut für Theoretische Physik, Olshausenstrasse, Neue Universität, Bau C. 4, Kiel, Germany.
- BÖHM-VITENSE (Mrs Dr E.), Institut für Theoretische Physik, Olshausenstrasse, Neue Universität, Bau C.4, Kiel, Germany.
- BÖHME (Dr S.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- BOHRMANN (Prof. Dr A.), Landessternwarte, Königstuhl, Heidelberg, Germany.
- BOISCHOT (Dr A.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- BOK (Prof. B. J.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- BOK (Mrs Dr P. F.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- BOLTON (J. G.), Radiophysics Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- BONANOMI (Dr J.), Directeur de l'Observatoire de Neuchâtel, Neuchâtel, Switzerland.
- BONDI (Mrs C. M.), East House, Buckland Corner, Reigate Heath, Surrey, England.
- BONDI (Dr H.), King's College, Strand, London, W.C.2, England.
- BONEFF (Prof. Dr N.), Section d'Astronomie, Académie des Sciences Bulgare, Sofia, Bulgaria.
- BONNET-SAINTURIER (Mme R.), 83 Rue de la Libération, Clamart (Seine), France.
- BORGMAN (Dr J.), Kapteyn Astronomical Laboratory, Broerstraat 7, Groningen, the Netherlands.
- BOSMAN-CRESPIN (Mme D.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.

- BOTELHEIRO (Dr A.), Observatorio Astronomico, Lisboa, Portugal.
- BOUIQUE (Dr R.), Observatoire de Toulouse, Toulouse (Hte Garonne), France.
- BOULON (J.), Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- BOURGEOIS (Prof. P.), Directeur de l'Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- BOUSKA (Dr J.), Astronomical Institute of the Charles University, Svědská 8, Prague 5-Smichov, Czechoslovakia.
- BOUVIER (P. B.), Observatoire de Genève, Geneva, Switzerland.
- BOWEN (Prof. I. S.), Director of the Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- BOYER (Dr L.), Observatoire d'Alger, Bouzaréa, Algeria.
- BRACEWELL (Prof. R. N.), Radio Astronomy Institute, Stanford University, Stanford, California, U.S.A.
- BRAHDE (R.), Institute of Theoretical Astrophysics, University of Oslo, Blindern, Norway.
- BRANSCOMB (Dr L. M.), National Bureau of Standards, Washington 25, D.C., U.S.A.
- BRASCH (F. E.), Consultant in Bibliography, Stanford University Libraries, Post Office Box 958, Stanford, California, U.S.A.
- BRAY (Dr R. J.), National Standards Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- BRETZ (Miss Dr M.), c.o. Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- BRICARD (Dr J.), Maître de Conférences à la Faculté des Sciences de Paris, Institut de Physique du Globe, 191 Rue St Jacques, Paris-5e, France.
- BRKIĆ (Z. M.), Astronomska Observatorija, Veliki Vracař, Beograd, Yugoslavia.
- BROGLIA (Dr P.), Osservatorio Astronomico, Merate (Como), Italy.
- BROUWER (Prof. D.), Director of the Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.
- BROWN (Dr R. Hanbury), Nuffield Radio Astronomy Laboratories, Jodrell Bank, Macclesfield, Cheshire, England.
- BROWN (Dr Harrison), Division of Geological Sciences, California Institute of Technology, Pasadena, California, U.S.A.
- BROWNLEE (Dr R. R.), P.O. Box 1663, Los Alamos, New Mexico, U.S.A.
- BRÜCK (Prof. H. A.), Astronomer Royal for Scotland, Royal Observatory, Blackford Hill, Edinburgh 9, Scotland.
- BRÜCK (Mrs Dr M. T.), Royal Observatory, Blackford Hill, Edinburgh 9, Scotland.
- BRUN (A.), Le Breuil, Allier, France.
- BRUWER (J. A.), Republic Observatory, Johannesburg, South Africa.
- BRUZEK (Dr A.), Fraunhofer-Institut, Schöneckstrasse 6, Freiburg i. Br., Germany.
- BUCHAR (Prof. Dr E.), Astronomical Institute, Technical University, Karlovo nám. 13, Prague 2, Czechoslovakia.
- BULLARD (Sir Edward C.), University of Cambridge, Department of Geodesy and Geophysics, Madingley Rise, Madingley Road, Cambridge, England.
- BULLEN (Prof. K. E.), Department of Applied Mathematics, University of Sydney, Sydney, N.S.W., Australia.
- BUMBA (Dr V.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- BURBIDGE (Mrs E. M.) University of California, La Jolla, California, U.S.A.
- BURBIDGE (G. R.), University of California, La Jolla, California, U.S.A.
- BURCH (Dr C. R.), H. H. Royal Fort Wills Physics Laboratory, Bristol 8, England.
- BURKE (Dr B. F.), Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D.C., U.S.A.
- BUSBRIDGE (Miss Dr I. W.), St Hugh's College, Oxford, England.

BUSCOMBE (Dr W.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
 BUTLER (Dr H. E.), Royal Observatory, Blackford Hill, Edinburgh 9, Scotland.

- CADARSO (L.), Instituto Geografico, Madrid, Spain.
 CAMERON (Dr A. G. W.), Institute for Space Studies, 475 Riverside Drive, New York 27, N.Y., U.S.A.
 CAMICHEL (Dr H.), Observatoire de Toulouse, Toulouse (Hte Garonne), France.
 CAMM (Dr G. L.), Department of Mathematics, The University, Manchester 13, England.
 CANAVAGGIA (Mlle Dr R.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
 CANDY (M. P.), 97 Hawkswood Drive, Hailsham, Sussex, England.
 CARDUS (Rvd°. P. J.), Astronome del Observatorio del Ebro, Tortosa, Spain.
 CARNERA (Prof. L.), Viale Ugo Bassi 38, Firenze, Italy.
 CARPENTER (E. F.), Steward Observatory, Tucson, Arizona, U.S.A.
 CARR (Dr T. D.), Department of Physics, University of Florida, Gainesville, Florida, U.S.A.
 CARRASCO (Dr R.), Director del Observatorio de Madrid, Madrid, Spain.
 CARROLL (Sir John A.), Deputy Controller (R. and D.), Admiralty, Whitehall, London, S.W.1, England.
 CASSINIS (Prof. G.), Rettore del Politecnico, Piazza Leonardo da Vinci, 32, Milano, Italy.
 CAYREL (Dr R.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
 CAYREL-DE-STROBEL (Mme Dr G.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
 CECCHINI (Prof. G.), Direttore dell'Osservatorio Astronomico di Torino, in Pino Torinese, Italy.
 CEPLLECHA (Z.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
 CESCO (Dr R. P.), Observatorio Astronomico, La Plata, Argentina.
 CESTER (Dr B.), Osservatorio Astronomico, Via G. B. Tiepolo, 15, Trieste (409), Italy.
 CHALONGE (Dr D.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
 CHAMBERLAIN (Prof. J. W.), Yerkes Observatory, Williams Bay, Wisconsin, U.S.A.
 CHANDRASEKHKAR (Prof. S.), Yerkes Observatory, Williams Bay, Wisconsin, U.S.A.
 CHAPMAN (Prof. S.), High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.
 CHAVIRA (E.), Observatorios de Tonantzintla y Tacubaya, Apdo. Postal 25264, C. Universitaria, Mexico 20, D.F., Mexico.
 CHEBOTAREV (Prof. G. A.), Institute of Theoretical Astronomy, Leningrad B-164, U.S.S.R.
 CHIS (Dr G.), Observatoire Astronomique, Rue de la République 109, Cluj, Rumania.
 CHOPINET (Mlle M.), Observatoire de l'Université de Bordeaux, Floirac, Gironde, France.
 CHRISTIANSEN (Prof. W. N.), School of Electrical Engineering, University of Sydney, Sydney, N.S.W., Australia.
 CHUBB (Dr T. A.), 5023 N. 38th Street, Arlington 7, Virginia, U.S.A.
 CHUDOVICHÉVA (Mrs Dr N. A.), Engelhardt Observatory, Kazan, U.S.S.R.
 CHVOJKOVÁ (Dr E.), Astronomical Institute, Czechoslovak Academy of Sciences, Budečská 6, Prague 2, Czechoslovakia.
 CILLIÉ (Prof. G. G.), Department of Mathematics, University of Stellenbosch, Cape Province, South Africa.
 CIMINO (Prof. M.), Direttore, Osservatorio Astronomico su Monte Mario, Rome, Italy.
 CLEMENCE (Dr G. M.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
 CODE (A. D.), 6524 Sterling Hall, University of Wisconsin, Madison, Wisconsin, U.S.A.
 COHEN (Dr M. H.), Phillips Hall, Cornell University, Ithaca, N.Y., U.S.A.
 COLLINDER (Dr P.), Odengatan 5b, IV, Uppsala, Sweden.
 COLLINSON (E. H.), Culpho End, Culpho, Ipswich, Suffolk, England.

- CONTOPoulos (Prof. Dr G.), Astronomical Department, University of Thessaloniki, Thessaloniki, Greece.
- COOK (Dr A. F. II), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- COOK (Dr A. H.), National Physical Laboratory, Teddington, Middlesex, England.
- COUDER (Dr A.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- COUDERC (Dr P.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- COURTÈS (Dr G.), Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- COUSINS (Dr A. W. J.), Royal Observatory, Observatory, C. P., South Africa.
- COUTEAU (Dr P. C.), Observatoire du Mont Gros, Nice (Alpes-Maritimes), France.
- COUTREZ (Prof. Dr R. A. J.), Department of Radio-Astronomy and Solar Physics, Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- COVINGTON (A. E.), National Research Council, Ottawa, Ontario, Canada.
- COWLING (Prof. T. G.), Department of Mathematics, The University, Leeds 2, England.
- COX (Dr A. N.), Box 1663, Los Alamos, New Mexico, U.S.A.
- COX (Prof. J. F.), Professeur à l'Université de Bruxelles, Institut d'Astronomie, Avenue Franklin D. Roosevelt 50, Brussels, Belgium.
- COX (Dr J. P.), Cornell University, Department of Astronomy, Newman Laboratory, Ithaca, New York, U.S.A.
- CRAWFORD (Dr D. L.), Kitt Peak National Observatory, 950 North Cherry Avenue, Tucson, Arizona, U.S.A.
- CRISTALDI (Dr S.), Piazza Vaccarini 11, Catania, Italy.
- CSADA (Dr I. K.), Institute of Theoretical Physics, University of Szeged, Szeged, Hungary.
- CUFFEY (J.), Goethe Link Observatory, Indiana University, Bloomington, Indiana, U.S.A.
- CUNNINGHAM (L. E.), Department of Astronomy, University of California, Berkeley 4, California, U.S.A.
- DADAEV (Dr A. N.), Pulkovo Observatory, Leningrad, U.S.S.R.
- DAENE (Dr H.), Astrophysikalisches Observatorium Potsdam, Abtlg. Radioastronomie, Tremsdorf (Potsdam-land), Germany.
- DANIELSON (Dr R. E.), Princeton University Observatory, Princeton, New Jersey, U.S.A.
- DANJON (Prof. A.), Directeur de l'Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- DAUBE-KURZEMNIECE (Mrs Dr I. A.), Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R., Riga, U.S.S.R.
- DAUVILLIER (Prof. A.), Observatoire du Pic-du-Midi, par Bagnères-de-Bigorre (Hautes-Pyrénées), France.
- DAVIES (Dr J. G.), Nuffield Radio Astronomy Laboratories, Jodrell Bank, Macclesfield, Cheshire, England.
- DAVIS, Jr. (Prof. L.), Physics Department, California Institute of Technology, Pasadena, California, U.S.A.
- DAVIS (Dr M. S.), Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.
- d'AZAMBUJA (Dr L.), Laclotte, Quartier Arribourdès, Salies-de-Béarn (Basses-Pyrénées), France.
- d'AZAMBUJA (Mme M. L.), Laclotte, Quartier Arribourdès, Salies-de-Béarn (Basses-Pyrénées), France.
- DECAUX (B.), Bureau International de l'Heure, Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- DE JAGER (Dr C.), Astronomical Observatory "Sonnenborgh", Servaas Bolwerk 13, Utrecht, the Netherlands.
- DE KOCK (R. P.), Royal Observatory, Observatory, C.P., South Africa.

- DE KORT, S. J. (Rev. Dr J.), Department of Astronomy, Faculty of Science, Catholic University, Driebruizerweg 200, Nijmegen, the Netherlands.
- DELBOUILLE (L.), Institut d'Astrophysique, Université de Liège, Cointe-Schlessin (Liège), Belgium.
- DELHAYE (Prof. J.), Directeur de l'Observatoire, Besançon (Doubs), France.
- DELSEMME (Dr A. H.), Science Councillor, O.E.C.E., 2 Rue André Pascal, Paris-16e, France.
- DE MARCUS (Prof. W. C.), Department of Physics, University of Kentucky, Lexington, Kentucky, U.S.A.
- DEMETRESCU (Dr G.), Directeur de l'Observatoire de Bucarest, 5 Rue Cutitul de Argint, Bucarest, Rumania.
- DE MORAIS (Dr A.), Caixa Postal 8137, São Paulo, SP, Brazil.
- DE MOTTONI (Dr Ing. G.), Via Fratelli Rosselli 15/23, Genoa, Italy.
- DENISSE (Dr J. F.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- DERMUL (A.), Rue Solvijns 70, Anvers, Belgium.
- DESSY (Dr J. Landi), Observatorio Nacional Argentino, Córdoba, Argentina.
- DETRE (Dr L.), Director of the Konkoly Observatory, Szabadsághegy, Budapest XII, Hungary.
- DEUTSCH (Dr A. J.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- DEUTSCH (Prof. Dr A. N.), Pulkovo Observatory, Leningrad M-140, U.S.S.R.
- DE VAUCOULEURS (Prof. G.), Department of Astronomy, University of Texas, Austin 12, Texas, U.S.A.
- DEWHIRST (Dr D. W.), The Observatories, Madingley Road, Cambridge, England.
- DEWITT (Dr J. H.), Arthur J. Dyer Observatory, Vanderbilt University, Nashville 5, Tennessee, U.S.A.
- DEZSÓ (Dr L.), Heliospherical Observatory of the Hungarian Academy of Sciences, Debrecen, Hungary.
- DICK (Prof. Dr J.), Rote Kreuz-Strasse 7, Potsdam-Babelsberg 2, Germany.
- DIECKVOSS (Dr W.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- DIJKSTERHUIS (Dr E. J.), Wagnerlaan 27, Bilthoven, the Netherlands.
- DIMITROFF (Prof. G. Z.), Shattuck Observatory, Dartmouth College, Hanover, New Hampshire, U.S.A.
- DINGENS (Prof. P. S. A.), Sterrenkundig Instituut, J. Plateaustraat 22, Gent, Belgium.
- DINGLE (Prof. H.), 104 Downs Court Road, Purley, Surrey, England.
- DINULESCU (Prof. N.), Directeur-adjoint de l'Observatoire de Bucarest, 5 Rue Cutitul de Argint, Bucarest, Rumania.
- DIVAN (Mlle Dr L.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
- DJURKOVIĆ (P. M.), Astronomical Observatory, Volgina 7, Belgrade, Yugoslavia.
- DOBRONRavin (Dr P. P.), Crimean Astrophysical Observatory of the Academy of Sciences of the U.S.S.R., Pochtovoe, Crimea, U.S.S.R.
- DOBROVOLSKY (Dr O. V.), Institute of Astrophysics, Stalinabad, U.S.S.R.
- DODSON-PRINCE (Mrs Dr H. W.), McMath Hulbert Observatory, University of Michigan, Pontiac 4, Michigan, U.S.A.
- DOLIDZE (Dr M. V.), Abastumani Observatory, Abastumani, Georgia, U.S.S.R.
- DOLLFUS (Dr A.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- DOMBROVSKY (Dr V. A.), Leningrad University Observatory, Leningrad, U.S.S.R.
- DOMINKO (Prof. Dr F.), Saranovičeva 11, Ljubljana, Yugoslavia.
- DOMMANGET (J.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.

- DONITCH (N.), Address unknown.
- DOS REIS (Prof. M.), Director of the Observatory, Coimbra, Portugal.
- DOUGLAS (Dr A. E.), Division of Physics, National Research Council, Ottawa, Ontario, Canada.
- DOUGLAS (Miss Dr A. V.), Queen's University, Kingston, Ontario, Canada.
- DRAKE (Dr F. D.), National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia, U.S.A.
- DRÂMBĂ (Prof. Dr C.), Observatoire de Bucarest, 5 Rue Cutitul de Argint, Bucarest, Rumania.
- DUBOIS-CHEVALLIER (Mme R.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- DUBOSHIN (Prof. Dr G. N.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- DUCHESNE (Dr M.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- DUERKSEN (J. A.), Chief of the Section of Gravity and Astronomy, U.S. Coast and Geodetic Survey, Washington 25, D.C., U.S.A.
- DUFAY (Prof. J.), Directeur de l'Observatoire de l'Université de Lyon, Saint-Genis-Laval (Rhône), France.
- DUFAY (M.), Institut de Physique Générale de la Faculté des Sciences de Lyon, 18 quai Claude Bernard, Lyon, France.
- DUFLOT (Mme M.), Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- DUNCOMBE (Dr R. L.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- DUNHAM Jr. (Dr T.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- DUNN (Dr R. B.), Sacramento Peak Observatory, Sunspot, New Mexico, U.S.A.
- DURAND (Dr G.), Observatoire de Toulouse, Toulouse (Hte Garonne), France.
- DYER (Dr E. R.), National Academy of Sciences, 2101 Constitution Avenue, N.W., Washington 25, D.C., U.S.A.
- DZHAPIASHVILI (Dr V. P.), Abastumani Observatory, Abastumani, Georgia, U.S.S.R.
- EBBIGHAUSEN (Prof. E. G.), Department of Physics, University of Oregon, Eugene, Oregon, U.S.A.
- ECKERT (Dr W. J.), Watson Scientific Computing Bureau, 612 West 115th Street, New York 25, N.Y., U.S.A.
- EDLÉN (Prof. B.), Fysiska Institutionen, Lund, Sweden.
- EDMONDS (Dr F. N.), Department of Astronomy, The University of Texas, Austin 12, Texas, U.S.A.
- EDMONDSON (Dr F. K.), Director of the Goethe Link Observatory, Indiana University, Bloomington, Indiana, U.S.A.
- EFREMOV (Dr Yu. I.), Astronomical Council, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- EGGEN (Dr O. J.), Mount Wilson and Palomar Observatories, 1201 E. California Street, Pasadena, California, U.S.A.
- EICHHORN (Prof. H. K.), Van Vleck Observatory, Wesleyan University, Middletown, Connecticut, U.S.A.
- EIGENSON (Prof. M. S.), Director, Astronomical Observatory of Lvov University, Lvov, U.S.S.R.
- EINASTO (Dr J. E.), Institute of Physics and Astronomy of the Estonian SSR Academy of Sciences, Tartu, U.S.S.R.
- ELLISON (Prof. Dr M. A.), Dunsink Observatory, Co. Dublin, Eire.
- ELSÄSSER (Dr H.), Universitäts-Sternwarte, Geismarlandstrasse 11, Göttingen, Germany.
- ELSTE (Dr G.), Universitäts-Sternwarte, Geismarlandstrasse 11, Göttingen, Germany.
- Elvey (Dr C. T.), Geophysical Institute, University of Alaska, College, Alaska, U.S.A.
- ELVIUS (Mrs Dr A. M.), Astronomiska Observatoriet, Uppsala, Sweden.

- ELVIUS (Dr T.), Astronomiska Observatoriet, Uppsala, Sweden.
- ELWERT (Prof. Dr G.), Astronomisches Institut der Universität, Gmelinstrasse 6, Tübingen, Germany.
- ENGELHARD (Dr E.), Physikalisches-Technische Bundesanstalt, Bundesallee 100, (20b) Braunschweig, Germany.
- ENSLIN (H.), Deutsches Hydrographisches Institut, Hamburg, Germany.
- EPSTEIN (Dr I.), Rutherford Observatory, Columbia University, New York 27, N.Y., U.S.A.
- ERIKSEN (G.), Institute of Theoretical Astrophysics, University of Oslo, Blindern, Norway.
- ERICKSON (Dr W. C.), 5001 Kearney Villa Road, San Diego 11, California, U.S.A.
- ESHLEMAN (Dr V. R.), Electrical Engineering, Stanford University, Stanford, California, U.S.A.
- ESSEN (Dr L.), National Physical Laboratory, Teddington, Middlesex, England.
- EVANS (Dr D. S.), Royal Observatory, Observatory, C.P., South Africa.
- EVANS (Dr J. W.), Director, Sacramento Peak Observatory, Sunspot, New Mexico, U.S.A.
- EWEN (Dr H. I.), Ewen Knight Corporation, Oak and Pine Streets, East Natick, Massachusetts, U.S.A.
- EZER (Mrs Dr D.), Research Associate, Institute for Space Studies, 475 Riverside Drive, New York 27, N.Y., U.S.A.

- FABRE (Dr H.), Observatoire de Nice, Nice (Alpes-Maritimes), France.
- FATCHIKHIN (Dr N. V.), Pulkovo Observatory, Leningrad, U.S.S.R.
- FAYET (Dr G.), 3 Villa Hallé, 36 Rue Hallé, Paris-14e, France.
- FEAST (Dr M. W.), Radcliffe Observatory, P.O. Box 373, Pretoria, South Africa.
- FEBRER (Dr J.), Observatorio Fabra, Barcelona, Spain.
- FEDOROV (Prof. E. P.), Director of the Main Astronomical Observatory of the Academy of Sciences of the Ukrainian S.S.R., Kiev 41, U.S.S.R.
- FEDYNSKY (Prof. Dr V. V.), Astronomical Council, U.S.S.R. Academy of Sciences, B. Grusinskaja 10, Moscow, U.S.S.R.
- FEHRENBACH (Prof. Ch.), Directeur de l'Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- FELLGETT (Dr P. B.), Royal Observatory, Blackford Hill, Edinburgh 9, Scotland.
- FERNANDEZ DE LA PUENTE (F.), Director del Observatorio de Marina, San Fernando, Cadiz, Spain.
- FERRARI D'OCCHIEPO (Prof. Dr K.), Universitäts-Sternwarte, Türkenschanzstrasse 17, Wien 18/110, Austria.
- FERRARO (Prof. V. C. A.), Queen Mary College, University of London, Mile End Road, London, E.1, England.
- FESENKOV (Prof. Dr V. G.), Director of the Astrophysical Institute, Alma Ata, U.S.S.R.
- FICHERA (Dr E.), Osservatorio Astronomico di Capodimonte, Napoli, Italy.
- FIELD (Dr G. B.), Princeton University Observatory, 14 Prospect Avenue, Princeton, New Jersey, U.S.A.
- FILLIOZAT (Dr J.), Professeur au Collège de France, 11 Place Marcelin Berthelot, Paris-5e, France.
- FINDLAY (Dr J. W.), National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia, U.S.A.
- FINLAY-FREUNDLICH (Prof. E.), The Observatory, St Andrews University, St Andrews, Fife, Scotland.
- FINSEN (Dr W. S.), Director, Republic Observatory, Johannesburg, South Africa.
- FIREMAN (Dr E. L.), Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.

- FIROR (Dr J. W.), High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.
- FITCH (Dr W. S.), Steward Observatory, University of Arizona, Tucson, Arizona, U.S.A.
- FLAMMARION (Mme G. Camille), Directrice de l'Observatoire de Juvisy, Juvisy (Seine-et-Oise), France.
- FLECKENSTEIN (Dr J. O.), Institut Mathématique de l'Université de Bâle, Bâle, Switzerland.
- FLEISCHER (Dr R.), Rensselaer Polytechnic Institute, Troy, New York, U.S.A.
- FOCAS (J. H.), National Observatory, Athens, Greece.
- FOKKER (Dr A. D.), Prins van Wiedlaan 23, Wassenaar, the Netherlands.
- FORTINI (Prof. T.), Osservatorio Astronomico, Rome, Italy.
- FOWLER (Prof. W. A.), California Institute of Technology, 1201 E. California Street, Pasadena, California, U.S.A.
- FRACASTORO (Prof. M. G.), Direttore, Osservatorio Astrofisico, Catania (Sicily), Italy.
- FRANK-KAMENETSKY (Prof. D. A.), Institute for Atomic Energy of the U.S.S.R. Academy of Sciences, Moscow, U.S.S.R.
- FRANZ (Dr O. G.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- FRESA (Prof. A.), Osservatorio di Capodimonte, Napoli, Italy.
- FRICKE (Prof. Dr W.), Direktor des Astronomischen Rechen-Instituts, Mönchhofstrasse 12-14, Heidelberg, Germany.
- FRIEDMAN (Dr H.), Code 7320, U.S. Naval Research Laboratory, Washington 25, D.C., U.S.A.
- FUCHS (Prof. Dr J.), Universitäts-Sternwarte, Universitätsstrasse 4, Innsbruck, Austria.
- FUJITA (Dr Y.), Department of Astronomy, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo, Japan.

- GADOMSKI (Dr J.), Astronomical Observatory, Al. Ujazdowskie 4, Warsaw, Poland.
- GAIZAUSKAS (Dr V.), Dominion Observatory, Ottawa, Ontario, Canada.
- GALLET (R. M.), National Bureau of Standards, Boulder, Colorado, U.S.A.
- GALT (Dr J. A.), Dominion Radio Astrophysical Observatory, Box 248, Penticton, B.C., Canada.
- GAMA (Dr L. I.), Observatorio Nacional, R. General Bruce 586, S. Cristovão, Rio de Janeiro, Brazil.
- GAMOW (Prof. G. G.), Professor of Physics, University of Colorado, Boulder, Colorado, U.S.A.
- GAPOSCHKIN (Dr S.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- GARSTANG (Dr R. H.), University of London Observatory, Mill Hill Park, London, N.W.7, England.
- GARTLEIN (Dr C. W.), Department of Physics, Cornell University, Ithaca, New York, U.S.A.
- GASCOIGNE (Dr S. C. B.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- GAUZIT (Dr J.), Observatoire de Lyon, Saint-Genis-Laval (Rhône), France.
- GAVIOLA (Dr E.), Peña 2472, Buenos Aires (Cap. Fed.), Argentina.
- GEHRELS (Dr T.), Lunar and Planetary Laboratory, University of Arizona, Tucson, Arizona, U.S.A.
- GENARD (J.), Université d'Elisabethville, Elisabethville-Katanga, Congo.
- GENNARO (Prof. A.), Osservatorio Astronomico, Padova, Italy.
- GENTILI DE GIUSEPPE (M.), Observatoire du Pic-du-Midi, par Bagnères-de-Bigorre (Hautes-Pyrénées), France.
- GIANNUZZI (Prof. M. A.), Corso Matteotti 190, Albano (Rome), Italy.
- GICLAS (H. L.), Lowell Observatory, Flagstaff, Arizona, U.S.A.
- GINZBURG (Dr V. L.), Corresponding Member of the U.S.S.R. Academy of Sciences, Physical Institute, Moscow, U.S.S.R.

- GIOVANELLI (Dr R. G.), National Standards Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- GJELLESTAD (Miss G.), Universitetet i Bergen, Geofysisk Institutt, Avd. C., Bergen, Norway.
- GLEISSBERG (Prof. Dr W.), Buchenweg 12, Oberstedten (Taunus), Germany.
- GLIESE (Dr W.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- GNEVYSHEV (Dr M. N.), Astronomical Observatory, Leningrad-M140, U.S.S.R.
- GODOLI (Prof. Dr G.), Osservatorio Astrofisico di Arcetri, Via S. Leonardo 75, Firenze, Italy.
- GÖKDOĞAN (Prof. Dr Mrs N.), Director, University Observatory, Beyazit, Istanbul, Turkey.
- GOLAY (Prof. M.), Directeur de l'Observatoire de Genève, Geneva, Switzerland.
- GOLD (Prof. T.), Newman Laboratory of Nuclear Studies, Cornell University, Ithaca, New York, U.S.A.
- GOLDBERG (Prof. L.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A. Vice-President of the Union.
- GOLDSWORTHY (Dr F. A.), Department of Mathematics, University of Manchester, Manchester 13, England.
- GOLLNOW (Dr H.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- GONDOLATSCH (Prof. Dr F.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- GONZALÉZ (G.), Observatorio Astronomico, Universidad Nacional de Mexico, Tonantzintla, Mexico.
- GORBATZKY (Dr V. G.), Leningrad University Observatory, Leningrad, U.S.S.R.
- GORDON (Dr J. E.), Director of the Nikolaev Observatory, Nikolaiev, U.S.S.R.
- GORGOLEWSKI (Dr S.), Astronomical Observatory, N. Copernicus University, Sienkiewicza 30, Torun, Poland.
- GORINJA (Dr A. A.), Kiev University Observatory, Kiev, U.S.S.R.
- GORSHKOV (Prof. Dr P. M.), State University, Leningrad, U.S.S.R.
- GOSSNER (Mrs S. D.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- GOTTLIEB (K.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- GOUGENHEIM (A.), Directeur du Service Hydrographique de la Marine, 30 Boulevard Flandrin, Paris-16e, France.
- GRAHL (Dr B. H.), Universitäts-Sternwarte Bonn/Rhein, Poppelsdorfer Allee 49, Bonn, Germany.
- GRANDMONTAGNE (Dr R.), Faculté des Sciences, 18 Quai Claude Bernard, Lyon (Rhône), France.
- GRANDON (Prof. R.), Carlos Edwards 1270, Santiago de Chile, Chile.
- GRATTON (Prof. L.), Direttore, Osservatorio Astronomico, Universitario, Via Zamboni 33, Bologna, Italy.
- GREEN (Dr L.), Strawbridge Observatory, Haverford College, Haverford, Pennsylvania, U.S.A.
- GREENBERG (Dr J. M.), Department of Physics, Rensselaer Polytechnic Institute, Troy, N.Y., U.S.A.
- GREENSTEIN (Prof. J. L.), Mount Wilson and Palomar Observatories, 1201 E. California Street, Pasadena, California, U.S.A.
- GROTH (Dr H. G.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- GUIGAY (Dr G.), Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- GUINOT (Dr B.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- GULLÓN (Dr E.), Subdirector del Observatorio Astronomico de Madrid, Spain.
- GÜNTZEL-LINGNER (Dr U.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- GURZADIAN (Dr G. A.), Burakan Astrophysical Observatory, Armenian S.S.R., Erevan, Armenia, U.S.S.R.

GUTH (Dr V.), Astronomical Institute, Czechoslovakian Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
 GUTIERREZ-MORENO (Mrs A.), Observatorio Astronomico de la Universidad de Chile, Casilla 36-D, Santiago de Chile, Chile.
 GÜTTLER (Dr A.), Universitäts-Sternwarte, Sternwartstrasse 23, München 27, Germany.
 GUYOT (Prof. E.), Professeur à la Faculté des Sciences, Maladière 27, Neuchâtel, Switzerland.
 GYLDEKERNE (K.), Universitets Observatoriet, Brorfelde, pr. Tølløse, Denmark.

HAAS (Prof. Dr J.), Universitäts-Sternwarte, Poppelsdorfer Allee 49, Bonn, Germany.
 HABIBULIN (Prof. Dr Sh. T.), Director, Astronomical Observatory of State University, Lenina 18, Kazan, U.S.S.R.
 HACHENBERG (Prof. Dr O.), Direktor des Heinrich-Hertz-Institutes der Akademie der Wissenschaften, Berlin-Adlershof, Germany.
 HACK (Prof. Dr M. H.), Osservatorio Astronomico di Merate (Como), Italy.
 HADDOCK (Dr F.), The Observatory, University of Michigan, Ann Arbor, Michigan, U.S.A.
 HAFFNER (Prof. Dr H.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
 HAGEN (Dr J. P.), National Aeronautics and Space Administration, 1520 H Street N.W., Washington 25, D.C., U.S.A.
 HAGIHARA (Prof. Y.), c.o. Department of Astronomy, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo, Japan. Vice-President of the Union.
 HALL (Dr J. S.), Director of the Lowell Observatory, Flagstaff, Arizona, U.S.A.
 HALL (R. G.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
 HALLIDAY (Dr I.), Dominion Observatory, Ottawa, Ontario, Canada.
 HAMID (Dr S. El-Din), Department of Astronomy, Faculty of Science, University Fouad, Giza, Cairo, Egypt.
 HARANG (Prof. L.), Institute of Theoretical Astrophysics, University of Oslo, Blindern, Norway.
 HARDIE (Dr R. H.), Dyer Observatory, Vanderbilt University, Nashville 5, Tennessee, U.S.A.
 HARGREAVES (F. J.), Mirastelle, Woodland Way, Kingswood, Surrey, England.
 HARO (Dr G.), Observatorio Astronomico Nacional, Apartado Postal 25264, Ciudad Universitaria, Mexico 20, D.F., Mexico. Vice-President of the Union.
 HARRIS (Dr D. III), 2548 Massachusetts Avenue, Washington, D.C., U.S.A.
 HARROWER (Dr G. A.), Department of Physics, Queen's University, Kingston, Ontario, Canada.
 HARWOOD (Miss M.), Maria Mitchell Observatory, Nantucket, Massachusetts, U.S.A.
 HASELGROVE (Dr C. B.), Department of Mathematics, University of Manchester, Manchester 13, England.
 HASER (L.), Chef de travaux à l'Université officielle du Congo et du Ruanda Urundi à Elisabethville, Congo.
 HATAKAWA (Prof. T.), Department of Astronomy, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo, Japan.
 HAUPT (Dr H. F.), Universitäts-Sternwarte Wien, Türkenschanzstrasse 17, Wien XVIII/110, Austria.
 HAWKINS (Dr G. S.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
 HAYASHI (Dr C.), Department of Nuclear Science, Faculty of Science, Kyoto University, Kyoto, Japan.
 HEARD (Dr J. F.), Director of the David Dunlap Observatory, Richmond Hill, Ontario, Canada.
 HEATH (M. B. B.), Urania, Firleigh Road, Kingsteignton, Newton Abbot, Devon, England.
 HECKMANN (Prof. Dr O.), Direktor der Hamburger Sternwarte, Hamburg-Bergedorf, Germany.

- HEESCHEN (Dr D. S.), National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia, U.S.A.
- HEIDMANN (Dr J.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- HEINEMANN (Prof. Dr K.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- HEINRICH (Prof. W. W.), Astronomical Institute of the Charles University, Svědská 8, Prague XVI, Czechoslovakia.
- HEINTZ (Dr W. D.), Universitäts-Sternwarte, München, Germany.
- HEISKANEN (Prof. V. A.), Geodetic Institute, Helsinki, Finland.
- HELPFER (Dr H. L.), Department of Physics and Astronomy University of Rochester, Rochester, N.Y., U.S.A.
- HELLMAN (Dr C. D.), Pratt Institute, Brooklyn 5, New York, U.S.A.
- HEMPLE (Commander Henry W.), Chief of the Division of Geodesy, U.S. Coast and Geodetic Survey, Washington 25, D.C., U.S.A.
- HENDRIX (D. O.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- HENIZE (Dr K. G.), Dearborn Observatory, Northwestern University, Evanston, Illinois, U.S.A.
- HENN (Miss F.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- HENON (M.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
- HENYEEY (Prof. L. G.), Astronomical Department, University of California, Berkeley 4, California, U.S.A.
- HERBIG (Dr G. H.), Lick Observatory, Mount Hamilton, California, U.S.A.
- HERCZEG (Dr T.), Universitäts-Sternwarte Bonn, Poppelsdorfer Allee 49, Bonn, Germany.
- HERGET (Dr P.), Astronomical Observatory, University of Cincinnati, Cincinnati 8, Ohio, U.S.A.
- HERLOFSON (Prof. N.), Royal Institute of Technology, Stockholm 70, Sweden.
- HERMAN (Mme Dr R.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- HERRICK (Dr S.), University of California, Los Angeles 24, California, U.S.A.
- HERS (J.), Republic Observatory, Johannesburg, South Africa.
- HERTZ (Dr H. G.), 2112 Florida Avenue, N.W., Washington 8, D.C., U.S.A.
- HERTZSPRUNG (Prof. E.), Villavej 6, Tølløse, Denmark.
- HERZBERG (Dr G.), Director, Division of Pure Physics, National Research Council, Sussex Drive, Ottawa, Ontario, Canada.
- HEWISH (Dr A.), Cavendish Laboratory, Free School Lane, Cambridge, England.
- HEY (Dr J. S.), Falconhurst, 12 Lodge Drive, Malvern, Worcestershire, England.
- HEYDEN S. J. (Dr F. J.), Georgetown College Observatory, Washington 7, D.C., U.S.A.
- HIBBS (A. R.), Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, U.S.A.
- HILL (Dr E. R.), Division of Radiophysics, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- HILTNER (Dr W. A.), Yerkes Observatory, Williams Bay, Wisconsin, U.S.A.
- HINDMARSH (Dr W. R.), University Observatory, Oxford, England.
- HIROSE (Dr H.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- HIRST (P. W.), Water's Edge, Greenbanks Road, Rondebosch, Cape Province, South Africa.
- HITOTUYANAGI (Prof. Dr Z.), Department of Astronomy, Faculty of Science, Tohoku University, Sendai, Japan.
- HOAG (Dr A. A.), U.S. Naval Observatory, Flagstaff Station, P.O. Box 1149, Flagstaff, Arizona, U.S.A.

- HOFFLEIT (Miss Dr E. D.), Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.
- HOFFMEISTER (Prof. Dr C.), Direktor der Sternwarte, Sonneberg, Thüringen, Germany.
- HOGG (Dr A. R.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- HOLMBERG (Prof. E. B.), Director of the Observatory, Uppsala, Sweden.
- HOPMANN (Prof. Dr J.), Direktor der Universitäts-Sternwarte, Türkenschanzstrasse 17, Wien 18/110, Austria.
- HOPPE (Prof. Dr J.), Universitäts-Sternwarte, Schillergässchen 2, Jena, Germany.
- HORI (Dr G.), Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.
- HORN D'ARTURO (Prof. G.), Osservatorio Astronomico di Bologna, Italy.
- HOTINLI (Dr M.), University Observatory, Beyazit, Istanbul, Turkey.
- HOUTGAST (Dr J.), Astronomical Observatory "Sonnenborgh", Zonnenburg 2, Utrecht, the Netherlands.
- HOUZIAUX (Dr L.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.
- HOWARD (Dr R. F.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- HOWARD (Dr W. E. III), 1452 Marian, Ann Arbor, Michigan, U.S.A.
- HOYLE (Prof. F.), St John's College, Cambridge, England.
- HUANG (Dr Su-Shu), Astrophysics Branch, Goddard Space Flight Center, Greenbelt, Maryland, U.S.A.
- HUBENET (H.), Astronomical Observatory "Sonnenborgh", Zonnenburg 2, Utrecht, the Netherlands.
- HUFFER (Dr C. M.), San Diego State College, Department of Astronomy, San Diego 15, California, U.S.A.
- HUMASON (M. L.), 301 Poinsettia Avenue, Corona del Mar 7, California, U.S.A.
- HUMBLET (J.), 7, rue de la Faille, Liège, Belgium.
- HUMPHREYS (C. J.), Head, Research Department, U.S. Naval Ordnance Laboratory, Corona, California, U.S.A.
- HUNAERTS (Dr J. J.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- HUNGER (Dr K.) Institut für Theoretische Physik, Technische Hochschule, Hannover, Germany.
- HUNTER (Dr A.), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.
- HURUHATA (Dr M.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- HUXLEY (Prof. L. G.), University of Adelaide, Adelaide, S.A., Australia.
- HYNEK (Dr J. A.), Dearborn Observatory, Northwestern University, Evanston, Illinois, U.S.A.
- IKAUNIEKS (Dr J.), Director of the Astrophysical Laboratory, Academy of Sciences, Turgeneva 19, Riga, Latvija, U.S.S.R.
- IKEDA (Dr T.), International Latitude Observatory, Mizusawa-shi, Iwate-Ken, Japan.
- INGRAO (H. C.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- IONNISIANI (Dr B. K.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- IRIARTE (B.), Tonantzintla and Tacubaya Observatories, Mexico.
- IRWIN (Prof. J. B.), Goethe Link Observatory, Indiana University, Bloomington, Indiana, U.S.A.
- ISTCHENKO (Dr I. M.), Astronomical Observatory, Tashkent, U.S.S.R.

- ITZIGSOHN (M.), Observatorio Astronomico, La Plata, Argentina.
 IWANISZEWSKA-LUBIENSKA (Mrs. C.), Astronomical Observatory, N. Copernicus University, Sienkiewicza 30, Torun, Poland.
 IWANOWSKA (Miss Prof. W.), Astronomical Observatory, N. Copernicus University, Sienkiewicza 30, Torun, Poland.

- JACCHIA (Dr L.), Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.
 JACKSON (C.), Yale-Columbia Station, Mount Stromlo Observatory, Canberra, A.C.T., Australia.
 JACOBSEN (Prof. T. S.), University of Washington, Seattle 5, Washington, U.S.A.
 JACQUINOT (P.), Laboratoire de Bellevue, 1 Place Aristide-Briand, Bellevue (Seine-et-Oise), France.
 JÄGER (Prof. Dr F. W.), Astrophysikalisches Observatorium, Telegrafenberge, Potsdam, Germany.
 JÁNOSSY (Prof. L.), Director of the Central Physical Institute of Budapest, Budapest, Hungary.
 JÄRNEFELT (Prof. G. J.), Director of the Observatory, Helsinki, Finland.
 JARRETT (Dr A. H.), Department of Applied Mathematics, Queen's University, Belfast, Northern Ireland.
 JASCHEK (Dr C. O. R.), Observatorio Astronomico, La Plata, Argentina.
 JASCHEK (Mrs Dr M.), Observatorio Astronomico, La Plata, Argentina.
 JASTROW (Dr R.), 4201 Cathedral Avenue, N.W., Washington, D.C., U.S.A.
 JAVET (Prof. P.), Directeur de l'Observatoire Universitaire, Mousquines 2, Lausanne, Switzerland.
 JEFFERIES (J. T.), National Bureau of Standards, Boulder Laboratories, Boulder, Colorado, U.S.A.
 JEFFERS (Dr H. M.), Lick Observatory, Mount Hamilton, California, U.S.A.
 JEFFREYS (Sir Harold), 160 Huntingdon Road, Cambridge, England.
 JELSTRUP (H. S.), St Olavsgaten 32, Oslo, Norway.
 JENKINS (Miss L. F.), Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.
 JENSEN (Dr E.), Institute of Theoretical Astrophysics, University of Oslo, Blindern, Norway.
 JOHNSON (Dr H. L.), Lunar and Planetary Laboratory, University of Arizona, Tucson, Arizona, U.S.A.
 JOHNSON (Dr H. M.), National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia, U.S.A.
 JOHNSON (Dr M. C.), Department of Physics, University, Edgbaston, Birmingham 15, England.
 JONCKHEERE (R.), Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
 JOY (Dr A. H.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
 JUNKES S. J. (Dr J.), Specola Vaticana, Castel Gandolfo, Vatican City State.

- KABURAKI (Prof. M.), Department of Astronomy, Faculty of Science, University of Tokyo, Yayoicho, Bunkyo-ku, Tokyo, Japan.
 KAHN (Dr F. D.), Department of Astronomy, The University, Manchester 13, England.
 KAHRSTEDT (Prof. Dr A.), Direktor der Sternwarte Berlin-Babelsberg, Potsdam-Babelsberg, Germany.
 KAIDANOVSKY (Dr N. L.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.

- KALANDADZE (Mrs Dr N. B.), Astrophysical Observatory, Abastumani, Georgia, U.S.S.R.
- KALINIAK (Dr A. A.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- KAMIENSKI (Prof. M.), L. Solskiego 30 m. 9, Cracow, Poland.
- KAO (Dr Ping-tse), 12, Lane 65, Ling-I Str., Taipei, Taiwan.
- KAPLAN (Dr J.), Department of Physics, University of California, Los Angeles, California, U.S.A.
- KAPLAN (Prof. S. A.), Radio Physical Research Institute of Gorki University, Gorki, U.S.S.R.
- KARIMOV (Dr M. G.), Astrophysical Institute, Alma Ata, U.S.S.R.
- KASTLER (Prof. A.), Ecole Normale Supérieure, 45 Rue d'Ulm, Paris-14e, France.
- KATASEV (Dr L. A.), Commission on Comets and Meteors, Astronomical Council, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- KAWAGUCHI (Dr I.), Kawasan Observatory, University of Kyoto, Yamashina, Kyoto, Japan.
- KAZES (Dr I.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- KEENAN (Dr P. C.), Perkins Observatory, Delaware, Ohio, U.S.A.
- KELLER (Dr G.), Program Director for Astronomy, National Science Foundation, Washington 25, D.C., U.S.A.
- KEPINSKI (Prof. F.), Ul. Nowowiejska 22, apt. 15, Warsaw 10, Poland.
- KERES (Dr H. P.), University of Tartu, Tartu, U.S.S.R.
- KERR (F. J.), Radiophysics Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- KHAIKIN (Prof. Dr S. E.), Pulkovo Observatory, Leningrad, U.S.S.R.
- KHARADZE (Prof. Dr E. K.), Director of the Astrophysical Observatory, Abastumani, Georgia, U.S.S.R.
- KHAVTASSI (Dr J. Sh.), Abastumani Observatory, Abastumani, Georgia, U.S.S.R.
- KHOLOPOV (Dr P. N.), Astronomical Council, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- KIENLE (Prof. Dr H. G.), Direktor der Landessternwarte, Königstuhl, Heidelberg, Germany.
- KIEPENHEUER (Prof. Dr K. O.), Direktor des Fraunhofer-Instituts, Schöneckstrasse 6, Freiburg i. Br., Germany.
- KIESS (Dr C. C.), Georgetown College Observatory, Washington 7, D.C., U.S.A.
- KING (Dr H. C.), Arnon, Devonshire Avenue, Amersham-on-The-Hill, Bucks., England.
- KING (Dr I. R.), University of Illinois Observatory, Urbana, Illinois, U.S.A.
- KING (Dr R. B.), Department of Physics, California Institute of Technology, Pasadena, California, U.S.A.
- KINMAN (T. D.), Lick Observatory, Mount Hamilton, California, U.S.A.
- KIPPENHABN (Dr R.), Max-Planck Institut für Physik und Astrophysik, Institut für Astrophysik, Aumeisterstrasse 6, München 23, Germany.
- KIPPER (Prof. Dr A. J.), Director of the Institute for Physics and Astronomy of the Academy of Sciences of the Estonian S.S.R., Tartu, U.S.S.R.
- KIRAL (Dr A.), University Observatory, Beyazit, Istanbul, Turkey.
- KLECZEK (Dr J.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- KNOX-SHAW (Dr H.), Fresh Woods, Elgin, Cape Province, South Africa.
- KOECKE (Dr F.), Astronomical Observatory, Sloneczna 36, Poznan, Poland.
- KOELBLOED (Dr D.), Astronomical Institute, Roetersstraat 1a, Amsterdam-C, the Netherlands.
- KOHLSCHÜTTER (Prof. Dr A.), Königstrasse 16, Bonn, Germany.
- KÖNIG (Dr A.), Landessternwarte, Königstuhl, Heidelberg, Germany.
- KONOPLEVA (Dr V. P.), Kiev University Observatory, Kiev, U.S.S.R.
- KOPAL (Prof. Z.), Department of Astronomy, The University, Manchester 13, England.

- KOPECKÝ (Dr M.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- KOPYLOV (Dr I. M.), Crimean Astrophysical Observatory, Pochtovoe, Crimea, U.S.S.R.
- KORDYLEWSKI (Dr K.), Astronomical Observatory, Kopernika 27, Cracow, Poland.
- KOSTYLEV (Dr K. V.), Engelhardt Observatory, Kazan, U.S.S.R.
- KOTHARI (Dr D. S.), Department of Physics, University of Delhi, New Delhi, India.
- KOTSAKIS (Dr D.), 189 Hippocrates Street, Athens (7), Greece.
- KOURGANOFF (Prof. V.), Faculté des Sciences, Service d'Astronomie, Orsay (S.O.), France.
- KOVALEVSKY (Dr J.), Bureau des Longitudes, 3, Rue Mazarine, Paris-6e, France.
- KOX (Dr H.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- KOZAI (Dr Y.), Tokyo Astronomical Observatory, Mitaka-shi, Tokyo-to, Japan.
- KOZIEL (Prof. Dr K.), Professor of Astronomy, Jagellonian University, Kopernika 27/3, Cracow, Poland.
- KOZYREV (Dr N. A.), Pulkovo Observatory, Leningrad, U.S.S.R.
- KRAFT (Dr R. P.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- KRANJC (Dr A.), Osservatorio Astronomico di Bologna, Italy.
- KRASSOVSKY (Prof. V. I.), Institute of the Physics of Atmosphere of the Academy of Sciences of the U.S.S.R., B. Gruzinskaja 10, Moscow, U.S.S.R.
- KRAT (Prof. V. A.), Pulkovo Observatory, Leningrad M-140, U.S.S.R.
- KRAUS (Dr J. D.), Radio Observatory, Ohio State University, Columbus, Ohio, U.S.A.
- KREIKEN (Prof. E. A.), Director, Astronomical Institute, Fen Fakültesi, University of Ankara, Ankara, Turkey.
- KRÉSAK (Dr L.), Astronomical Institute, Slovak Academy of Sciences, Ul. Obrancov mieru 41, Bratislava, Czechoslovakia.
- KRINOV (Dr E. L.), Committee on Meteorites, Academy of Sciences, Osipenko 52, Moscow 127, U.S.S.R.
- KRISTENSON (Dr H.), Observatory, Lund, Sweden.
- KRON (Dr G. E.), Lick Observatory, Mount Hamilton, California, U.S.A.
- KRON (Mrs K. G.), Lick Observatory, Mount Hamilton, California, U.S.A.
- KROOK (Dr M.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- KRÜGER (Prof. E.), Via Mauro Macchi 65, Milano, Italy.
- KUBIKOWSKI (J.), Astronomical Observatory, Kopernika 11, Wroclaw 9, Poland.
- KUIPER (Dr G. P.), Lunar and Planetary Laboratory, University of Arizona, Tucson, Arizona, U.S.A.
- KUKARKIN (Prof. Dr B. V.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- KULIKOV (Dr D. K.), Institute of Theoretical Astronomy, Leningrad, U.S.S.R.
- KULIKOV (Prof. Dr K. A.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- KULIKOVSKY (Dr P. G.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- KUNDU (Dr M. R.), Astronomy Department, University of Michigan, Ann Arbor, Michigan, U.S.A.
- KUPPERIAN Jr. (Dr J. E.), Astrophysics Branch, Goddard Space Flight Center, NASA, Greenbelt, Maryland, U.S.A.
- KUPREVICH (Dr N. F.), Pulkovo Observatory, Leningrad, U.S.S.R.
- KUSHWAHA (Dr R. S.), Department of Astrophysics, University of Delhi, Delhi 8, India.
- KUSTAAHEIMO (Prof. P. E.), Astronomical Observatory, Helsinki, Finland.
- KUTCHEROV (Dr N. I.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- KUZMIN (Dr G. G.), Observatory of the Academy of Sciences of the Estonian S.S.R., Tartu, U.S.S.R.
- KWEE (K. K.), University Observatory, Leiden, the Netherlands.

- LABORDE (Dr G.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- LABS (Dr D.), Landessternwarte, Königstuhl, Heidelberg, Germany.
- LACCHINI (Prof. G. B.), Faenza (Ravenna), Borgo Durbocco, Via A. Cicognani No. 10, Italy.
- LACROUTE (Prof. P.), Directeur de l'Observatoire de Strasbourg, 11 Rue de l'Université, Strasbourg (Bas-Rhin), France.
- LAFFINEUR (Dr M.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
- LAGRULA (Dr J.), Directeur de l'Institut de Météorologie et de Physique du Globe de l'Algérie, B. P. 1296, Alger R.P., Algeria.
- LAHIRI (Sri N. C.), Officer-in-charge, Nautical Almanac Division, Meteorological Department, Alipore, Calcutta, India.
- LALLEMAND (Dr. A.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- LAMBRECHT (Prof. Dr. H.), Direktor der Universitäts-Sternwarte, Schillergässchen 2, Jena, Germany.
- LA PAZ (Dr L.), Director of the Division of Astronomy and of the Institute of Meteoritics of the University of New Mexico, Albuquerque, New Mexico, U.S.A.
- LARINK (Prof. Dr. J.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- LARSSON-LEANDER (Dr G.), Lund Observatory, Lund, Sweden.
- LAUGIER (Mme M.), 77 Boulevard Gambetta, Nice, France.
- LAUSTEN (S.), Universitets Observatoriet, Brorfelde (pr. Tølløse), Denmark.
- LAUTMAN (Dr D. A.), Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.
- LAVDOVSKI (Dr V. V.), Pulkovo Observatory, Leningrad, U.S.S.R.
- LAYZER (Dr H.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- LEBEDINSKY (Prof. A. I.), Department of Physics, Moscow University, Moscow, U.S.S.R.
- LEDERLE (Dr T.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- LEDOUX (Prof. P.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.
- LEHNERT (Dr B. P.), Royal Institute of Technology, Department of Electronics, Stockholm 70, Sweden.
- LEIGHTON (Prof. R. B.), California Institute of Technology, Pasadena, California, U.S.A.
- LEIKIN (Dr G. A.), Astronomical Council of the U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- LEMAÎTRE (G.), 73 Rue de Namur, Louvain, Belgium.
- LE ROUX (Dr E.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- LETFUS (Dr V.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- LEVIN (Dr B. J.), O. Schmidt Institute of Physics of the Earth, Academy of Sciences of the U.S.S.R., B. Gruzinskaja 10, Moscow, U.S.S.R.
- LÉVY (Dr J. R.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- LILLER (Prof. W.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- LILLEY (Prof. A. E.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- LIMBER (Dr D. N.), Yerkes Observatory, Williams Bay, Wisconsin, U.S.A.
- LIN (Rong-an), 64 Kung Yuen Road, Taipei, Taiwan.
- LINDBLAD (Prof. B.), Director of the Stockholm Observatory, Saltsjöbaden, Sweden.
- LINDBLAD (Dr B. A.), Observatory, Lund, Sweden.
- LINDBLAD (Dr P. O.), Stockholm Observatory, Saltsjöbaden, Sweden.
- LINDLEY (W. M.), Pentonwarra, Trevone, Padstow, Cornwall, England.
- LINDSAY (Dr E. M.), Director of the Armagh Observatory, Armagh, Northern Ireland.

- LINES (Dr A. W.), Royal Aircraft Establishment, Farnborough, Hants., England.
- LINFOOT (Dr E. H.), The Observatories, Madingley Road, Cambridge, England.
- LING (Dr Chih-bing), Institute of Mathematics, Academia Sinica, P.O. Box No. 143, Taipei, Taiwan.
- LINK (Dr F.), Astronomical Institute, Czechoslovak Academy of Sciences, Budečka 6, Prague 2, Czechoslovakia.
- LINNELL (Dr A. P.), Amherst College Observatory, Amherst, Massachusetts, U.S.A.
- LINNIK (Prof. Dr V. P.), Pulkovo Observatory, Leningrad, U.S.S.R.
- LIPPINCOTT (S. L.), Sproul Observatory, Swarthmore College, Swarthmore, Pennsylvania, U.S.A.
- LIPSKY (Dr Y. N.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- LITTLE (A. G.), Division of Radiophysics, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- LITTLE (C. Gordon), Chief, Division 87, National Bureau of Standards, Room 3001, Radio Bldg., Boulder, Colorado, U.S.A.
- LITTLEFIELD (Dr T. A.), Department of Physics, King's College, Newcastle-upon-Tyne, England.
- LOCHTE-HOLTGREVEN (Prof. Dr W.), Institut für Experimentalphysik der Universität, Kiel, Germany.
- LOCKE (Dr J. L.), Dominion Radio Astrophysical Observatory, P.O. Box 248, Penticton, B.C., Canada.
- LOHMAN (Prof. Dr W.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- LORÓN (Dr M. M.), Observatorio Astronomico, Alfonso XII, No. 3, Madrid, Spain.
- LOUBENTZOV (Dr V. F.), Director of the Institute of Physico-Technical Measurements, Moscow, U.S.S.R.
- LOUGHHEAD (R. E.), National Standards Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- LOURENS (J. v. B.), Royal Observatory, Observatory, Cape Province, South Africa.
- LOVELL (Sir Bernard), Nuffield Radio Astronomy Laboratories, Jodrell Bank, Macclesfield, Cheshire, England.
- LOZINSKY (Dr A. M.), Astronomical Council of the U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, U.S.S.R.
- LUPLAU JANSSEN (Dr C. E.), Urania Observatory, Dr. Olgas Vej 25, Copenhagen-F, Denmark.
- LÜST (Dr R.), Max-Planck-Institut für Physik und Astrophysik, Institut für Astrophysik, Aumeisterstrasse 6, München 23, Germany.
- LUYTEN (Prof. W. J.), The Observatory, University of Minnesota, Minneapolis 14, Minnesota, U.S.A.
- LYNDS (Dr C. R.), National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia, U.S.A.
- LYTTKENS (Dr E.), Observatory, Uppsala, Sweden.
- LYTTELTON (Dr R. A.), St John's College, Cambridge, England.
- MCCARTHY S.J. (Dr M. F.), Specola Vaticana, Castel Gandolfo, Vatican City State.
- MCCLAIR (E. F.), Head Radio Astronomy Branch, Naval Research Laboratory, Washington 25, D.C., U.S.A.
- MCCLENAHAN (Dr W. S.), Dominion Observatory, Ottawa, Ontario, Canada.
- MCCREA (Prof. W. H.), Professor of Mathematics, Royal Holloway College, Egham, Surrey, England.
- MCCROSKEY (Dr R. E.), Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.

S*

- McCUSKEY (Dr S. W.), Warner and Swasey Observatory, Case Institute of Technology, East Cleveland 12, Ohio, U.S.A.
- McDONALD (Mrs Dr J. K. Petrie), Dominion Astrophysical Observatory, Victoria, B.C., Canada.
- McDONALD (Mrs Sophia Levy), 2818 Webster Street, Berkeley 5, California, U.S.A.
- MCGEE (Prof. J. D.), Physics Department, Imperial College of Science and Technology, Prince Consort Road, London, S.W.7, England.
- MCGEE (R. X.), Division of Radiophysics, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- MCKENNA (Miss S. M. P.), Dunsink Observatory, Co. Dublin, Eire.
- MCKINLEY (Dr D. W. R.), c/o National Research Council, Sussex Drive, Ottawa, Ontario, Canada.
- MC LAUGHLIN (Prof. D. B.), The Observatory, University of Michigan, Ann Arbor, Michigan, U.S.A.
- MCNAMARA (Dr D. H.), Department of Physics, Brigham Young University, Provo, Utah, U.S.A.
- MACRAE (Dr D. A.), David Dunlap Observatory, Richmond Hill, Ontario, Canada.
- MACRIS (Prof. Dr C. J.), National Observatory, Athens, Greece.
- MC VITTIE (Prof. G. C.), University of Illinois Observatory, Urbana, Illinois, U.S.A.
- MACHADO (J. M. A. Braz), Serviços Radioelectricos dos C.T.T., Lisbon, Portugal.
- MACK (Prof. J. E.), Department of Physics, The University of Wisconsin, Madison 6, Wisconsin, U.S.A.
- MADEIRA (Dr J. A.), Observatorio Astronomico, Tapada, Lisbon, Portugal.
- MADER (Prof. Dr K.), Hietzinger Hauptstrasse 123, Wien 13, Austria.
- MADWAR (Prof. M. R.), 15 Rue Pahlewi, Dokki, Cairo, Egypt.
- MAFFEI (Dr P.), Osservatorio Astrofisico di Asiago, (Vicenza), Italy.
- MAGALASHVILI (Dr N. L.), Abastumani Observatory, Abastumani, Georgia, U.S.S.R.
- MAÎTRE (Dr V.), Observatoire, Besançon (Doubs), France.
- MAKOVER (Dr S. G.), Institute of Theoretical Astronomy, Mendelejevskaja linia 1, Leningrad 164, U.S.S.R.
- MAKSUTOV (Prof. Dr D. D.), Pulkovo Observatory, Leningrad, U.S.S.R.
- MALMQUIST (Prof. K. G.), Director of the Observatory, Uppsala, Sweden.
- MANNINO (Dr G.), Osservatorio Astronomico Universitario, Via Zamboni 33, Bologna, Italy.
- MARCUS (Prof. E.), Observatoire de Bucarest, 5 Rue Cutitul de Argint, Bucarest, Rumania.
- MARKARIAN (Dr B. E.), Burakan Observatory, Erevan, Armenia, U.S.S.R.
- MARKOV (Dr A. V.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- MARKOWITZ (Dr W.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- MARTEL-CHOSSAT (Mme Dr M. T.), Observatoire de Lyon, Saint-Genis-Laval (Rhône), France.
- MARTIN (Prof. E. L.), Direttore dell'Osservatorio Astronomico, via G. B. Tiepolo N.11, Trieste, Italy.
- MARTYNOV (Prof. Dr D. Ya.), Director of the Sternberg Astronomical Institute, Moscow University, Leninskije Gory, Moscow-V.234, U.S.S.R.
- MASANI (Prof. A.), Osservatorio Astronomico di Brera, Via Brera 28, Milano, Italy.
- MASSEVITCH (Mrs Dr A. G.), Astronomical Council, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- MATHIAS (Prof. Dr O. F. W.), Sonnenstrasse 12/II, Graz, Austria.
- MATSUSHIMA (Dr S.), Department of Physics and Astronomy, State University of Iowa, Iowa City, Iowa, U.S.A.
- MATTHEWS (Dr T. A.), Department of Radio Astronomy, California Institute of Technology, Pasadena, California, U.S.A.

- MATTIG (Dr W.), Fraunhofer Institut, Schöneckstrasse 6, Freiburg i. Br., Germany.
- MAVRIDIS (Dr L. N.), Director of the Research and Computing Center, Academy of Sciences of Athens, Athens, Greece.
- MAXWELL (Dr A.), Harvard Radio Astronomy Station, Fort Davis, Texas, U.S.A.
- MAYALL (Mrs M. W.), A.A.V.S.O., 4 Brattle Street, Cambridge 38, Massachusetts, U.S.A.
- MAYALL (Dr N. U.), Kitt Peak National Observatory, 950 North Cherry Avenue, Tucson, Arizona, U.S.A.
- MAYER (C. H.), U.S. Naval Research Laboratory, Washington 25, D.C., U.S.A.
- MEGGERS (Dr W. F.), U.S. Bureau of Standards, Washington 25, D.C., U.S.A.
- MEINEL (Dr A. B.), Kitt Peak National Observatory, 950 North Cherry Avenue, Tucson, Arizona, U.S.A.
- MELCHIOR (Dr P. J.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- MELNIKOV (Prof. Dr O. A.), Pulkovo Observatory, Leningrad, U.S.S.R.
- MENDOZA V. (Dr E.), Observatorio Astronomico Nacional, 20 Piso Torre de Ciencias, Ciudad Universitaria, Mexico 20, D.F., Mexico.
- MENON (Dr T. K.), Department of Electrical Engineering, Ohio State University, 2024 Neil Avenue, Columbus 10, Ohio, U.S.A.
- MENZEL (Dr D. H.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- MERGENTALER (Prof. Dr J.), Astronomical Observatory, Kopernika 11, Wroclaw, Poland.
- MERMAN (Dr G. A.), Institute of Theoretical Astronomy, Leningrad, U.S.S.R.
- MERRILL (Dr J. E.), The Franklin Institute, Benjamin Franklin Parkway at 20th Street, Philadelphia 3, Pennsylvania, U.S.A.
- MERTON (Dr G.), 17 Holywell, Oxford, England.
- MESSAGE (Dr P. J.), Mathematics Department, University of Liverpool, Liverpool 3, England.
- MESTEL (Dr L.), 19 Orchard Avenue, Cambridge, England.
- MEURERS (Prof. Dr J.), Universitäts-Sternwarte, Poppelsdorfer Allee 49, Bonn, Germany.
- MEYER (Prof. G.), Directeur de l'Observatoire d'Alger, Bouzaréa, Algeria.
- MIANES (P.), Observatoire de Bordeaux, Floirac (Gironde), France.
- MICHARD (Dr R.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- MICHEL (H.), 54 Rue ten Bosch, Brussels 5, Belgium.
- MICHKOVITCH (Prof. V. V.), Serbian Academy of Sciences and Arts, Knez Mihailova 35, Belgrade, Yugoslavia.
- MICZAIKA (Dr G. R.), Aeronutronic, a Division of Ford Motor Company, Ford Road, Newport Beach, California, U.S.A.
- MIGEOTTE (Dr M. V.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.
- MIKHAILOV (Prof. Dr A. A.), Director of the Pulkovo Observatory, Leningrad, U.S.S.R.
- MIKHELSON (Dr N. N.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- MILLER (Dr F. D.), The Observatory, University of Michigan, Ann Arbor, Michigan, U.S.A.
- MILLER, S. J. (Dr W. J.), Director, Fordham University Astronomical Laboratory, Box 88, Fordham University, New York 58, N.Y., U.S.A.
- MILLMAN (Dr P. M.), National Research Council, Sussex Drive, Ottawa, Ontario, Canada.
- MILLS (Dr B. Y.), School of Physics, University of Sydney, Sydney, N.S.W., Australia.
- MININ (Dr I. N.), Leningrad University Observatory, Leningrad, U.S.S.R.
- MINKOWSKI (Dr R. L.), Radio Astronomy Laboratory, University of California, Berkeley 4, California, U.S.A.
- MINNAERT (Prof. M. G. J.), Director of the Astronomical Observatory "Sonnenborgh", Zonnenburg 2, Utrecht, the Netherlands.

- MIRZABEKIAN (Dr E. G.), Astrophysical Observatory, Burakan, Armenia, U.S.S.R.
- MIRZOJAN (Dr L. V.), Burakan Astrophysical Observatory, Erevan, Armenia, U.S.S.R.
- MISSANA (Prof. N.), Osservatorio Astronomico di Pino Torinese (Torino), Italy.
- MITCHELL Jr. (Dr W. E.), Perkins Observatory, Delaware, Ohio, U.S.A.
- MITRA (Dr S. K.), Professor of Physics, University of Calcutta, Calcutta, India.
- MIYADI (Dr M.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- MIYAMOTO (Dr S.), Director, Kwasan Observatory, Faculty of Science, University of Kyoto, Yamashina, Kyoto, Japan.
- MOHLER (Dr O. C.), McMath-Hulbert Observatory, 895 Lake Angelus Road North, Pontiac 4, Michigan, U.S.A.
- MOHR (Prof. Dr J. M.), Astronomical Institute of the Charles University, Svedská 8, Prague 16, Czechoslovakia
- MOLCHANOV (Dr A. P.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- MONFILS (A.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.
- MONIN (Dr G. A.), Crimean Astrophysical Observatory of the Academy of Sciences of the U.S.S.R., Pochtovoe, Crimea, U.S.S.R.
- MOREAU (Dr F.), 115 Avenue George Bergmann, Brussels, Belgium.
- MORGAN (Dr W. W.), Yerkes Observatory, Williams Bay, Wisconsin, U.S.A.
- MORTON (Dr G. A.), R.C.A. Laboratories, Princeton, New Jersey, U.S.A.
- MOURAO (R. R. F.), Observatorio Nacional, Rua General Bruce, 586 - São Cristóvao, Rio de Janeiro, Brazil.
- MUGGLESTONE (Dr D.), University of Queensland, Brisbane, Qld., Australia.
- MULDERS (Dr G. F. W.), c/o National Science Foundation, Washington 25, D.C., U.S.A.
- MÜLLER (Miss Dr E. A.), Research Associate to the Observatory, University of Michigan, Ann Arbor, Michigan, U.S.A.
- MÜLLER (Prof. Dr H. O.), Eidgen, Sternwarte, Schmelzbergstrasse 25, Zürich, Switzerland.
- MÜLLER (Prof. Dr R.), Sonnenobservatorium Wendelstein, Brannenburg am Inn, Germany.
- MULLER (Dr A. B.), Kapteyn Astronomical Laboratory, Broerstraat 7, Groningen, the Netherlands.
- MULLER (Ir. C. A.), Radio Observatory, Bosrand 25, Dwingeloo, the Netherlands.
- MULLER (P.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- MÜNCH (Prof. G.), California Institute of Technology, 1201 E. California Street, Pasadena, California, U.S.A.
- MÜNCH (L.), Observatorio Astrofisico Nacional, Tonantzintla, Mexico.
- MURRAY (C. A.), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.
- MUSTEL (Prof. Dr E. R.), Astronomical Council, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- NADOLSKI (Prof. Dr V.), Université de Iasi, Rue M. Sadoveanu 5, Iasi, Rumania.
- NAGASAWA (S.), Tokyo Astronomical Observatory, Mitaka-shi, Tokyo-to, Japan.
- NAHON (Prof. F.), Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.
- NAKANO (S.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- NARAYAN (Dr A. L.), Maharaja's College, Vizianagram, India.
- NASSAU (Prof. J. J.), Case Institute of Technology, Warner and Swasey Observatory, East Cleveland 12, Ohio, U.S.A.
- NAUR (Dr P.), Danish Institute for Computing Machinery, Gl. Carlsbergvej 2, Valby, Denmark.

- NECHVILE (Dr V.), Astronomical Institute of the Charles University, Svédska 7, Prague 16,
Smíchov, Czechoslovakia.
- NEFEDIEV (Dr A. A.), Director of the Engelhardt Observatory, Kazan, U.S.S.R.
- NEFEDIEVA (Dr A. I.), Engelhardt Observatory, Kazan, U.S.S.R.
- NEMIRO (Dr A. A.), Pulkovo Observatory, Leningrad, U.S.S.R.
- NEVEN (L.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18,
Belgium.
- NEVIN (Prof. T. E.), University College, Dublin, Eire.
- NEWKIRK Jr. (Dr G. A.), High Altitude Observatory of the University of Colorado, Boulder,
Colorado, U.S.A.
- NEWTON (H. W.), 'Alandale', Dean Road, Seaford, Sussex, England.
- NEYMAN (Prof. J.), Statistical Laboratory, University of California, Berkeley 4, California,
U.S.A.
- NICHOLLS (Prof. R. W.), Department of Physics, University of Western Ontario, London,
Ontario, Canada.
- NICHOLSON (Dr S. B.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street,
Pasadena 4, California, U.S.A.
- NICOLET (Prof. M.), Institut Royal de Météorologie, Uccle, Brussels, Belgium.
- NICOLINI (Prof. T.), Direttore, Osservatorio Astronomico di Capodimonte, Napoli, Italy.
- NIELSEN (A. V.), Ole Rømer Observatory, Aarhus, Denmark.
- NIKITIN (Dr A. A.), Observatory, State University, Leningrad, U.S.S.R.
- NIKONOV (Dr V. B.), Crimean Astrophysical Observatory of the Academy of Sciences of the
U.S.S.R., Pochtovoe, Crimea, U.S.S.R.
- NINGER-KOSIBOWA (Dr S.), Astronomical Observatory, Kopernika 11, Wrocław, Poland.
- NININGER (Dr H. H.), Sedona's Meteorite Museum, P.O. Box 146, Sedona, Arizona, U.S.A.
- NISSEN (Prof. J. J.), Observatorio Astronomico, San Juan, Argentina.
- NORDSTRÖM (Dr H.), Gjörwellsgatan 15, Stockholm, Sweden.
- NØRLUND (Prof. N. E.), Director of the Geodetic Institute, Malmögade 6, Copenhagen,
Denmark.
- NORTHCOTT (Miss Ruth J.), David Dunlap Observatory, Richmond Hill, Ontario, Canada.
- NOTUKI (Dr M.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- NOWACKI (Dr H.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg,
Germany.
- OBERGUGGENBERGER (Prof. Dr V.), Bergstrasse 3, Innsbruck, Austria.
- OBI (Dr S.), Department of Earth Science, College of General Education, University of
Tokyo, Komaba, Shibuya, Tokyo, Japan.
- O'CONNELL S.J. (Dr D. J. K.), Direttore della Specola Vaticana, Castel Gandolfo, Vatican
City State.
- ODGERS (Dr G. J.), Dominion Astrophysical Observatory, Victoria, B.C., Canada.
- OGORODNIKOV (Prof. Dr K. F.), University, Leningrad, U.S.S.R.
- ÖHMAN (Prof. Y.), Stockholms Observatorium, Saltsjöbaden, Sweden.
- OKE (Dr J. B.), Mount Wilson and Palomar Observatories, 1201 E. California Street,
Pasadena, California, U.S.A.
- O'KEEFE (J. A.), 3712 Thornapple Street, Chevy Chase 15, Maryland, U.S.A.
- OKUDA (Dr T.), Geographical Survey Institute, Kamimeguro 7-1,000, Meguro-ku, Tokyo,
Japan.
- ÖLANDER (Prof. V. R.), Geodetic Institute, Helsinki, Finland.
- OLIVIER (Dr C. P.), American Meteor Society, 521 N. Wynnewood Avenue, Narberth,
Pennsylvania, U.S.A.

- OMER Jr. (Dr G. C.), Department of Physical Sciences, University of Florida, Gainesville, Florida, U.S.A.
- OORT (Prof. Dr J. H.), Director of the University Observatory, Leiden, the Netherlands.
- OOSTERHOFF (Prof. Dr P. Th.), University Observatory, Leiden, the Netherlands.
- OPALSKI (Dr W.), Institut Astronomique de l'Ecole Polytechnique, Koszykowa 75, Warsaw, Poland.
- ÖPIK (Dr E. J.), Armagh Observatory, Armagh, Northern Ireland.
- OPOLSKI (Dr A.), Astronomical Observatory, Kopernika 11, Wrocław, Poland.
- ORLOV (Dr A. A.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- ORLOV (Dr B. A.), Pulkovo Observatory, Fontanka 34, Leningrad, U.S.S.R.
- ORLOVA (Dr N. S.), Leningrad University Observatory, Leningrad, U.S.S.R.
- ORRALL (Dr F. Q.), Sacramento Peak Observatory, Sunspot, New Mexico, U.S.A.
- ORTE LLEDO (D. Alberto), Observatorio de Marina, San Fernando, Cádiz, Spain.
- OSAWA (Prof. K.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- OSTERBROCK (Prof. D. E.), Washburn Observatory, University of Wisconsin, Madison 6, Wisconsin, U.S.A.
- OSVALDS (Dr V.), Leander McCormick Observatory, Charlottesville, Virginia, U.S.A.
- OTERMA (Miss Dr L.), Betaniankatu 4, Turku, Finland.
- OVENDEN (Dr M. W.), Department of Astronomy, The University, Glasgow, W.2., Scotland.
- OWREN (L.), Geophysical Institute, University of Alaska, College, Alaska, U.S.A.
- OZEMRE (Dr K.), University Observatory, Beyazit, Istanbul, Turkey.
- PAGE (Prof. T. L.), Director, Van Vleck Observatory, Wesleyan University, Middletown, Connecticut, U.S.A.
- PAGEL (Dr B. E. J.), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.
- PALOQUE (Dr E.), Directeur de l'Observatoire de Toulouse, Toulouse (Hte Garonne), France.
- PANAJOTOV (Dr L. A.), Pulkovo Observatory, Leningrad, U.S.S.R.
- PARIJSKY (Dr N. N.), O. Schmidt Institute of Physics of the Earth, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow, U.S.S.R.
- PARKER (Dr E. N.), Institute for Nuclear Studies, University of Chicago, Chicago 37, Illinois, U.S.A.
- PATON (J.), Department of Natural Philosophy, The University, Edinburgh 8, Scotland.
- PAVLOV (Prof. Dr N. N.), Pulkovo Observatory, Leningrad, U.S.S.R.
- PAWSEY (Dr J. L.), Radiophysics Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- PAYNE-GAPOCHKIN (Mrs Dr C. H.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- PEARCE (Dr J. A.), Dominion Astrophysical Observatory, Victoria, B.C., Canada.
- PEARSE (Prof. R. W. B.), Imperial College of Science and Technology, Prince Consort Road, London, S.W.7, England.
- PECKER (Mme Prof. Ch. W.), 29 Rue Pierre Curie, Sceaux (Seine), France.
- PECKER (Dr J.-C.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- PEEK (B. M.), 9 Beacon Road, Herne Bay, Kent, England.
- PELS (G.), University Observatory, Leiden, the Netherlands.
- PELS-KLUYVER (Mrs H. A.), University Observatory, Leiden, the Netherlands.
- PELSENEER (Dr J.), Avenue des Grenadiers, 76, Ixelles, Brussels, Belgium.
- PELTIER (Leslie C.), 327 S. Bredeick Street, Delphos, Ohio, U.S.A.
- PEREK (Dr L.), Astronomical Institute, Czechoslovak Academy of Sciences, Budečka 6, Prague 2—Vinohrady, Czechoslovakia.

- PEREL (Dr J. G.), Astronomical Council, U.S.S.R. Academy of Sciences, B. Gruzinskaja, 10, Moscow, U.S.S.R.
- PETRI (Dr W.), Universitäts-Sternwarte, Sternwartstrasse 23, München 27, Germany.
- PETRIE (Dr R. M.), Dominion Astrophysicist, Dominion Astrophysical Observatory, Victoria, B.C., Canada. Vice-President of the Union.
- PETTIT (Dr E.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- PETTIT (Mrs Helen B. Knafflich), 43 Museum Street, Cambridge 38, Massachusetts, U.S.A.
- PEYTURAUX (Dr R.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
- PHILLIPS (Prof. J. G.), Department of Astronomy, University of California, Berkeley, California, U.S.A.
- PIASKOVSKY (Prof. D. V.), University Astronomical Observatory, Kiev, U.S.S.R.
- PICK-GUTMAN (Mme M.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- PIDDINGTON (Dr J. H.), Radiophysics Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- PIERCE (Dr A. K.), Kitt Peak National Observatory, 950 North Cherry Avenue, Tucson, Arizona, U.S.A.
- PIKELNER (Dr S. B.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- PILOWSKI (Prof. Dr K.), Geodätisches Institut der Technischen Hochschule, Nienburger Strasse 1, Hannover, Germany.
- PINTO (Dr G.), Osservatorio Astronomico, Padova, Italy.
- PIOTROWSKI (Dr S.), Astronomical Observatory, Ujazdowskie 4, Warsaw, Poland.
- PISHMISH DE RECILLAS (Mrs Dr Paris), Observatorio Astronomico Nacional, Universidad Nacional de Mexico, Ciudad Universitaria, Mexico 20, D.F., Mexico.
- PLAKIDIS (Prof. S.), Eridanou 4B, Athens 6, Greece.
- PLANELLES (V.), Observatorio Astronomico, San Fernando, Cadiz, Spain.
- PLASKETT (Prof. H. H.), 48 Blenheim Drive, Oxford, England.
- PLASSARD (Dr J.), Director of the Ksara Observatory, Ksara, Lebanon.
- PLATZECK (Dr R.), Comision Nacional de la Energia Atomica, San Carlos de Bariloche, Argentina.
- PLAUT (Dr L.), Kapteyn Astronomical Laboratory, Broerstraat 7, Groningen, the Netherlands.
- PLAVEC (Dr M.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- PODOBED (Dr W. W.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- POGO (Dr A.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- POLOSKOV (Dr S. M.), Publishing House of Foreign Literature, Novo-Aleksejevskaja, 52, Moscow, U.S.S.R.
- POPOVIC (Dr B.), Božidar, Zagrebačka 18, Sarajevo, Yugoslavia.
- POPOVICI (Prof. Dr C.), Observatoire de Bucarest, 5 Rue Cutitul de Argint, Bucarest, Rumania.
- POPPER (Prof. D. M.), Department of Astronomy, University of California, Los Angeles 24, California, U.S.A.
- PORTER (Dr J. G.), Featherstone, Carter's Corner, near Hailsham, Sussex, England.
- POTTASCH (Dr S. R.), National Bureau of Standards, Boulder Laboratories, Boulder, Colorado, U.S.A.
- POTTER (Dr H. I.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- POVEDA (Dr A.), Observatorio Astronomico, Universidad Nacional de Mexico, Apartado Postal 25264, Mexico 20, D.F., Mexico.
- PRENDERGAST (Dr K. H.), Yerkes Observatory, Williams Bay, Wisconsin, U.S.A.

- PRENTICE (J. P. M.), Star Ridge, Battisford, Needham Market, Suffolk, England.
- PRESTON (Dr G. W. III), Lick Observatory, Mount Hamilton, California, U.S.A.
- PRIESTER (Dr W.), Universitäts-Sternwarte, Poppelsdorfer Allee 49, Bonn, Germany.
- PROKOFIEV (Prof. V. K.), Crimean Astrophysical Observatory of the Academy of Sciences of the U.S.S.R., Pochtovoe, Crimea, U.S.S.R.
- PROKOFIEVA (Mrs Dr I. A.), Main Astronomical Observatory, Academy of Sciences, Pulkovo, U.S.S.R.
- PROSKURIN (Dr V. F.), Institute of Theoretical Astronomy, Leningrad, U.S.S.R.
- PROTHEROE (Dr W.), Department of Astronomy, University of Pennsylvania, Philadelphia 4, Pennsylvania, U.S.A.
- PROTTICH (M. B.), Astronomical Observatory, Veliki Vracar, Belgrade, Yugoslavia.
- PRZYBYLSKI (Dr A.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- PURGATHOFER (Dr A. Th.), Universitäts-Sternwarte Wien, Türkenschanzstrasse 17, Wien XVIII/110, Austria.
- QVIST (Dr B.), Åbo Akademi, Åbo, Finland.
- RABBEN (Dr H. H.), Max-Planck-Institut für Physik und Astrophysik, Abt. Extraterrestrische Physik, Garching C/München, Germany.
- RABE (Prof. Dr E.), Cincinnati Observatory, Observatory Place, Cincinnati 8, Ohio, U.S.A.
- RACAH (Prof. J.), Professor of Theoretical Physics, Hebrew University, Jerusalem, Israel.
- RADHAKRISHNAN (V.), California Institute of Technology, Radio Astronomy Department, 1201 E. California Street, Pasadena, California, U.S.A.
- RAKSHIT (Prof. H.), Bengal Engineering College, Sibpore, Hewrah, India.
- RAMANATHAN (Dr K. R.), Director, Physical Research Laboratory, Navrangpura, Ahmedabad, India.
- RAMBERG (Prof. Dr J. M.), Stockholms Observatorium, Saltsjöbaden, Sweden.
- RAMSEY (Dr W. H.), Department of Physics, University of Witwatersrand, Milner Park, Johannesburg, South Africa.
- RANDIC (Dr L.), Tehnički fakultet, Zagreb p.p. 89, Yugoslavia.
- RASMUSEN (H. Q.), Vaerslevgaarden, pr. Vaerslev, Denmark.
- RAZMADZE (Dr N. A.), Abastumani Observatory, Abastumani, Georgia, U.S.S.R.
- RAZMADZE (Dr T. S.), Abastumani Observatory, Abastumani, Georgia, U.S.S.R.
- REBER (Dr Grote), Research Corporation, 405 Lexington Avenue, New York 17, N.Y., U.S.A.
- REDDISH (Dr V. C.), Nuffield Radio Astronomy Laboratories, Jodrell Bank, Macclesfield, Cheshire, England.
- REDMAN (Prof. R. O.), Director of the Observatories, Madingley Road, Cambridge, England.
- REID (J. H.), Dunsink Observatory, Co. Dublin, Eire.
- REINMUTH (Dr K.), Häusserstrasse 61, Heidelberg, Germany.
- REIZ (Prof. A.), University Observatory, Østervoldsgade 3, Copenhagen-K, Denmark.
- RICE (D. A.), Department of Commerce, U.S. Coast and Geodetic Survey, Washington 25, D.C., U.S.A.
- RICHARDSON (Dr E. H.), Dominion Astrophysical Observatory, Victoria, B.C., Canada.
- RICHARDSON (R. S.), Griffith Observatory, P.O. Box 27787, Los Felix Station, Los Angeles 27, California, U.S.A.
- RICHTER (Dr N.), Karl Schwarzschild Observatorium Taütensburg, Kreis Jena, Germany.
- RIGAUX (Dr F.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- RIGHINI (Prof. G.), Direttore, Osservatorio Astrofisico di Arcetri, Via S. Leonardo 75, Firenze, Italy.
- RIGUTTI (Dr M.), Osservatorio Astrofisico di Arcetri, Via. S. Leonardo 75, Firenze, Italy.

- RIJVES (Dr W. G.), Institute of Physics, Mathematics and Mechanics, Academy of Sciences of the Estonian S.S.R., Tartu, U.S.S.R.
- RINEHART (Dr J. S.), Director, Mining Research Laboratory, Colorado School of Mines, Golden, Colorado, U.S.A.
- RING (Dr J.), Department of Astronomy, The University, Manchester 13, England.
- RINGNES (T. S.), Institute of Theoretical Astrophysics, University of Oslo, Blindern, Norway.
- ROACH (Dr F. E.), National Bureau of Standards, Boulder, Colorado, U.S.A.
- ROBERTS (Dr J. A.), Division of Radiophysics, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- ROBERTS (Dr M. S.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- ROBERTS (Dr W. O.), High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.
- ROBERTSON (W. H.), Sydney Observatory, Sydney, N.S.W., Australia.
- ROBLEY (Dr R.), Observatoire du Pic-du-Midi, par Bagnères-de-Bigorre (Hautes-Pyrénées), France.
- RODGERS (Dr A. W.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- ROEMER (Miss Dr E.), U.S. Naval Observatory, Flagstaff Station, P.O. Box 1149, Flagstaff, Arizona, USA.
- ROGERSON (J. B.), Princeton University Observatory, Princeton, New Jersey, U.S.A.
- ROMAN (Miss Dr N. G.), Head of the Observation Astronomy Program, Office of Space Sciences, National Aeronautics and Space Administration, 1520 H. Street N.W., Washington 25, D.C., U.S.A.
- ROMANÁ PUJO S. J. (Dr A.), Director del Observatorio del Ebro, Apartado 9, Tortosa, Spain.
- ROMANO (Dr G.), Viale S. Francesco 7, Treviso, Italy.
- ROMANSKAYA (Mrs Dr S. V.), Pulkovo Observatory, Leningrad, U.S.S.R.
- RÖSCH (Dr J.), Directeur de l'Observatoire du Pic-du-Midi, par Bagnères-de-Bigorre (Hautes-Pyrénées), France.
- ROSEN (Dr B.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin, (Liège), Belgium.
- ROSINO (Prof. L.), Director of the Astrophysical Observatory, Asiago (Vicenza), Italy.
- ROSSELAND (Prof. S.), Director, Institute of Theoretical Astrophysics, University of Oslo, Blindern, Norway.
- ROTTENBERG (Dr J. A.), Dominion Observatory, Ottawa, Ontario, Canada.
- ROUTLY (Dr P. M.), Astronomy Department, Pomona College, Claremont, California, U.S.A.
- ROY (Dr A. E.), Department of Astronomy, University of Glasgow, Glasgow, W.2., Scotland.
- ROZHkovskI (Dr D. A.), Astrophysical Institute, Alma Ata, U.S.S.R.
- RUBAShev (Dr B. M.), Pulkovo Observatory, Leningrad, U.S.S.R.
- RUDKJØBING (Prof. M.), Director of the Ole Rømer Observatory, Aarhus, Denmark.
- RUDNICKI (Dr K.), Astronomical Observatory, Al. Ujazdowskie 4, Warsaw-Sejm, Poland.
- RULE (B. R.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- RUPRECHT (Dr J.), Astronomical Institute, Czechoslovak Academy of Sciences, Budečka 6, Prague 2, Czechoslovakia.
- RUTLLANT (Prof. F.), Director del Observatorio Astronomico de la Universidad de Chile, Casilla 36-D, Santiago de Chile, Chile.
- RYBKA (Prof. E.), Director of the Cracow Astronomical Observatory, Kopernika 27, Cracow, Poland.
- RYBKA (P.), Astronomical Institute of the Wroclaw University, Dembowskiego 19, Wroclaw 9, Poland.
- RYDBECK (Dr O. E. H.), Research Laboratory of Electronics, Chalmers University of Technology, Gibraltargatan 5G, Gothenburg, Sweden.

RYLE (Prof. M.), Cavendish Laboratory, Free School Lane, Cambridge, England.

SADLER (D. H.), Superintendent of H.M. Nautical Almanac Office, Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England. General Secretary of the Union.

SADLER (Mrs F. M. McBain), H.M. Nautical Almanac Office, Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.

SAFRONOV (Dr V. S.), O. Schmidt Institute of Physics of the Earth, U.S.S.R. Academy of Sciences, B. Gruzinskaja 10, Moscow 242, U.S.S.R.

SAHADE (Dr J.), Observatorio Astronomico, La Plata, Argentina.

SAITO (Dr K.), Tokyo Astronomical Observatory, Mitaka-shi, Tokyo-to, Japan.

SALPETER (Dr E. E.), Newman Laboratory, Cornell University, Ithaca, N.Y., U.S.A.

SALPETER S.J. (Dr E. W.), Specola Vaticana, Castel Gandolfo, Vatican City State.

SAMAHÀ (Prof. A. H. M.), Director of the Helwan Observatory, Helwan, near Cairo, Egypt.

SANAMIAN (Dr V. A.), Burakan Astrophysical Observatory, Erevan, Armenia, U.S.S.R.

SANDAGE (A.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.

SANDAKOVA (Dr E. V.), Kiev University Observatory, Kiev, U.S.S.R.

SANDERS (P.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.

SANTOS (Dr A. J. Baptista dos), Observatorio Astronomico, Tapada, Lisbon, Portugal.

SARABHAI (V. A.), Physical Research Laboratory, Navrangpura, Ahmedabad, India.

SATO (Y.), Tokyo Astronomical Observatory, Mitaka-shi, Tokyo-to, Japan.

SAVEDOFF (Dr M.), University of Rochester, River Campus, Rochester 20, N.Y., U.S.A.

SAWYER HOGG (Mrs Dr H. B.), David Dunlap Observatory, Richmond Hill, Ontario, Canada.

SCHAIFERS (Dr K.), Landessternwarte, Heidelberg-Königstuhl, Germany.

SCHALÉN (Prof. C.), Director of the Observatory, Lund, Sweden.

SCHATZMAN (Prof. E. L.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.

SCHEFFLER (Dr H.), Astronomisches Institut der Universität, Waldhäuser Höhe, Tübingen, Germany.

SCHILLER (Prof. Dr K.), Leiter der Sternwarte Frankfurt, Senckenberg-Anlage 23, Frankfurt (Main), Germany.

SCHILT (Prof. J.), 481 Greenville Avenue, Centerdale 11, Rhode Island, U.S.A.

SCHLÜTER (Prof. Dr A.), Max-Planck Institut für Physik und Astrophysik, Institut für Astrophysik, Aumeisterstrasse 6, München 23, Germany.

SCHMEIDLER (Prof. Dr F.), Universitäts-Sternwarte, Sternwartstrasse 23, München 27, Germany.

SCHMIDT (Prof. Dr H.), Observatorium Hoher List der Universitäts-Sternwarte Bonn, über Daun (Eifel), Germany.

SCHMIDT (Dr M.), Mount Wilson and Palomar Observatories, 1201 E. California Street, Pasadena, California, U.S.A.

SCHMIDT-KALER (Dr Th.), Universitäts Sternwarte Bonn, Poppelsdorfer Allee 49, Bonn, Germany.

SCHMITT (A.), Observatoire de Strasbourg, Strasbourg (Bas-Rhin), France.

SCHNELLER (Prof. Dr H.), Astrophysikalisches Observatorium, Telegrafenberge, Potsdam, Germany.

SCHOENBERG (Prof. Dr E.), Am Essbaum, Rimsting (Chiemsee), Germany.

SCHRÖTER (Dr E. H.), Fraunhofer Institut, Schöneckstrasse 6, Freiburg i Br., Germany.

SCHRUTKA-RECHTENSTAMM (Prof. Dr G.), Universitäts-Sternwarte, Türkenschanzstrasse 17, Wien XVIII/110, Austria.

SCHUBART (Dr J.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.

- SCHÜCKING (Dr E.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- SCHÜRER (Prof. Dr M.), Astronomisches Institut der Universität Bern, Sidlerstrasse 5, Bern, Switzerland.
- SCHWARZSCHILD (Prof. M.), Princeton University Observatory, Princeton, New Jersey, U.S.A.
- SCIAMA (Prof. D. W.), University of Cambridge, Department of Applied Mathematics and Theoretical Physics, Free School Lane, Cambridge, England.
- SCONZO (Dr P.), Federal Systems Division I.B.M., 1730, Cambridge Street, Cambridge 38, Massachusetts, U.S.A.
- SCOTT (Prof. E. L.), Statistical Laboratory, University of California, Berkeley 4, California, U.S.A.
- SCOTT (F. P.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- SEARES (Dr F. H.), El Mirasol Hotel, Santa Barbara, California, U.S.A.
- SEARLE (Dr L.), Mount Wilson and Palomar Observatories, 1201 E. California Street, Pasadena, California, U.S.A.
- SEARS (Dr R. L.), Kellogg Radiation Laboratory, California Institute of Technology, Pasadena, California, U.S.A.
- SEATON (Dr M. J.), Department of Physics, University College London, Gower Street, London, W.C.1, England.
- SEEGER (Dr Ch. L.), Radio Astronomy Institute, Stanford University, Stanford, California, U.S.A.
- SEMENOV (Prof. Dr L. I.), Nikolaev Branch of the Pulkovo Observatory, Leningrad, U.S.S.R.
- SÉMIROT (Dr P.), Directeur de l'Observatoire de Bordeaux, Floirac (Gironde), France.
- SEN (Dr H. K.), High Temperature Section, Thermal Radiation Laboratory, Air Force Cambridge Research Centre, Bedford, Massachusetts, U.S.A.
- SERKOWSKI (Dr K.), Astronomical Observatory of the Warsaw University, Al. Ujazdowskie 4, Warsaw, Poland.
- SERSIC (Dr J. L.), Observatorio Astronomico, Cordoba, Argentina.
- SERVAJEAN (Dr R.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- SEVARLIC (Dr B. M.), Assistant Professor, Astronomska Observatorija, Veliki Vracar, Belgrade, Yugoslavia.
- SEVERNY (Prof. Dr A. B.), Director of the Crimean Astrophysical Observatory of the Academy of Sciences of the U.S.S.R., Pochtovoe, Crimea, U.S.S.R.
- SHAIN (C. A.), Radiophysics Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- SHAKESHAFT (Dr J. R.), St. Catharine's College, Cambridge, England.
- SHANE (Dr C. D.), Lick Observatory, Mount Hamilton, California, U.S.A.
- SHAO (Cheng-yuan), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- SHAPLEY (A. H.), CRPL, National Bureau of Standards, Boulder, Colorado, U.S.A.
- SHAPLEY (Prof. Dr H.), Sharon Cross Road, Peterboro, New Hampshire, U.S.A.
- SHAPLEY (Mrs M. B.), Sharon Cross Road, Peterboro, New Hampshire, U.S.A.
- SHARONOV (Prof. Dr V. V.), University, Leningrad, U.S.S.R.
- SHARPLESS (Dr S. L.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- SHAW (Dr J. H.), Department of Physics and Astronomy, Ohio State University, 174W 18th Ave, Columbus, Ohio, U.S.A.
- SHAW (Prof. R. W.) Fuertes Observatory, Cornell University, Ithaca, N.Y., U.S.A.
- SHCHEGLOV (Prof. Dr V. P.), Director of the Astronomical Observatory, Tashkent, U.S.S.R.
- SHCHEGOLEV (Dr D. E.), Pulkovo Observatory, Leningrad, U.S.S.R.
- SHCHIGOLEV (Prof. B. M.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- SHEN (Dr Zee), Department of Mathematics, National Taiwan University, Taipei, Taiwan.
- SHIMIZU (Dr T.), Institute of Astrophysics, College of Science, University of Kyoto, Kyoto, Japan.

- SHKLOVSKY (Dr I. S.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- SHOEMAKER (E.), U.S. Geological Survey, Menlo Park, California, U.S.A.
- SHTEINS (Dr K. A.), Latvian University, Riga, U.S.S.R.
- SIEDENTOPF (Prof. Dr H.), Direktor des Astronomischen Instituts der Universität, Gmelinstrasse 6, Tübingen, Germany.
- SILVA (Prof. E. C.), Professor da Escola Naval, Alfete, Lisboa, Portugal.
- SILVA (Prof. Dr I. F. da), Faculdade de Ciencias, Lisbon, Portugal.
- SIMON (Dr P.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- SIMON (R.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.
- SINTON (Dr W. M.), Lowell Observatory, Flagstaff, Arizona, U.S.A.
- SINZI (Dr. A. M.), Hydrographic Office, 5 chome, Tsukiji, Chuo-ku, Tokyo, Japan.
- SISSON (G. M.), Oakland House, Moorfield, Newcastle-upon-Tyne 2, England.
- SITNIK (Dr G. F.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- SITTERLY (Mrs Ch. Moore), National Bureau of Standards 13, Washington 25, D.C., U.S.A.
- SLAUCITAJS (Prof. S.), Observatorio Astronomico, La Plata, Argentina.
- SLAVENAS (Prof. Dr P. V.), Kestucio gatve 17-3, Vilnius 4, Lithuanian S.S.R., U.S.S.R.
- SLEE (O. B.), Division of Radiophysics, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- SLETTBAK (Prof. A.), Director, Perkins Observatory, Delaware, Ohio, U.S.A.
- SLIPHER (Dr E. C.), Lowell Observatory, Flagstaff, Arizona, U.S.A.
- SLONIM (Mrs Dr E. M.), Astronomical Observatory, Tashkent, U.S.S.R.
- SLOUKA (Dr H.), Pod Vlachovkou 9, Prague-Kobylisy, Czechoslovakia.
- SMART (Prof. W. M.), 8 Blatchington Road, Tunbridge Wells, Kent, England.
- SMERD (S. F.), Radiophysics Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- SMILEY (Dr C. H.), Ladd Observatory, Brown University, Providence, Rhode Island, U.S.A.
- SMIT (Dr J. A.), Physical Laboratory of the University, Bijlhouwerstraat 6, Utrecht, the Netherlands.
- SMITH (Dr A. G.), Department of Physics, University of Florida, Gainesville, Florida, U.S.A.
- SMITH (Mrs E. v. P.), Sacramento Peak Observatory, Sunspot, New Mexico, U.S.A.
- SMITH (Dr F. Graham), Cavendish Laboratory, Free School Lane, Cambridge, England.
- SMITH (Dr Harlan J.), Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.
- SMITH (Dr Henry J.), Sacramento Peak Observatory, Sunspot, New Mexico, U.S.A.
- SMITH (H. M.), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.
- SMYTH (Dr M. J.), Royal Observatory, Blackford Hill, Edinburgh 9, Scotland.
- SOBOLEV (Prof. Dr V. V.), The University, Leningrad, U.S.S.R.
- SOCHER (Dr H.), Universitäts-Sternwarte Wien, Türkenschanzstrasse 17, Wien 18/110, Austria.
- SOFRONITSKI (Dr A. V.), Moscow Aviation Institute, Moscow D. 80, U.S.S.R.
- SPITZER (Dr L.), Director of the Princeton University Observatory, Princeton, New Jersey, U.S.A.
- STAHR-CARPENTER (Mrs Dr M.), Center for Radiophysics and Space Research, Phillips Hall, Cornell University, Ithaca, N.Y., U.S.A.
- STANLEY (G. J.), California Institute of Technology, Pasadena, California, U.S.A.
- STEARNS (Dr C. L.), Van Vleck Observatory, Middletown, Connecticut, U.S.A.
- STEBBINS (Prof. J.), Lick Observatory, Mount Hamilton, California, U.S.A.

- STEIGER (Dr W.), Department of Physics, University of Hawaii, Honolulu, Hawaii, U.S.A.
- STEINBERG (Dr J. L.), Service de Radioastronomie, Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- STEINLIN (Dr U. W.), Astronomische Anstalt der Basel Universität Binningen, Switzerland.
- STEPANOV (Dr W. E.), Crimean Astrophysical Observatory of the Academy of Sciences of the U.S.S.R., Pochtovoe, Crimea, U.S.S.R.
- STERNBERK (Prof. B.), Director, Astronomical Institute, Czechoslovak Academy of Sciences, Budečská 6, Prague 2-Vinohrady, Czechoslovakia. Vice-President of the Union.
- STERNE (Dr T. E.), Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.
- STEWART (Dr J. Q.), Princeton University Observatory, Princeton, New Jersey, U.S.A.
- STIBBS (Prof. D. W. N.), University Observatory, Buchanan Gardens, St. Andrews, Fife, Scotland.
- STICKER (Prof. Dr B.), Direktor des Instituts für Geschichte der Naturwissenschaften, Hartungstrasse 5, Hamburg 13, Germany.
- STOCK (Dr J.), Warner and Swasey Observatory, East Cleveland 12, Ohio, U.S.A.
- STOY (Dr R. H.), H.M. Astronomer, Royal Observatory, Observatory, C.P., South Africa. Vice-President of the Union.
- STOYKO (Mme A.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- STOYKO (Dr N.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- STRAND (Dr K. Aa.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- STRASSL (Prof. Dr H.), Direktor des Astronomischen Instituts der Universität, Steinfurterstrasse 107, Münster (Westfalen), Germany.
- STROBEL (Dr W.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- STROHMEIER (Dr W.), Direktor der Remeis Sternwarte, Sternwartestrasse 7, Bamberg, Germany.
- STRÖMGREN (Prof. B.), The Institute for Advanced Study, School of Mathematics, Princeton, New Jersey, U.S.A.
- STRONG (Prof. J. D.), Laboratory of Astrophysics and Physical Meteorology, Johns Hopkins University, Baltimore 18, Maryland, U.S.A.
- STRUVE (Prof. O.), 853 Station Place, Berkeley 7, California, U.S.A.
- STUMPFF (Prof. Dr K.), Geismarlandstrasse 13, Göttingen, Germany.
- SUBBOTIN (Prof. Dr M. F.), Director of the Institute of Theoretical Astronomy, Leningrad V.164, U.S.S.R.
- SUEMOTO (Dr Z.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- SUKHAREV (Dr L. A.), Pulkovo Observatory, Leningrad, U.S.S.R.
- SVESTKA (Dr Z.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- SWEET (Prof. P. A.), The University Observatory, Glasgow, W.2, Scotland.
- SWENSSON (Dr J. W.), Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.
- SWIHART (Dr T. L.), University of Illinois Observatory, Urbana, Illinois, U.S.A.
- SWINGS (Prof. P.), Directeur de l'Institut d'Astrophysique, Université de Liège, Cointe-Sclessin (Liège), Belgium.
- SWOPE (Miss H. H.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- SYKES (Dr J. B.), 46 North Court Road, Abingdon, Berkshire, England.
- SYKES-HART (Mrs A. B.), University Observatory, Oxford, England.
- SYMMS (L. S. T.), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.

SYTINSKAYA (Mrs Dr N. N.), University Observatory, Leningrad, U.S.S.R.

SZAFRANIEC (Miss Dr R.), Astronomical Observatory, Kopernika 27, Cracow, Poland.

TAFFARA (Prof. S.), Osservatorio Astronomico, Padova, Italy.

TAKAKUBO (Dr K.), Astronomical Institute, Faculty of Science, Tohoku University, Sendai, Japan.

TAKAKURA (Dr T.), Tokyo Astronomical Observatory, Mitaka-shi, Tokyo-to, Japan.

TAKASE (B.), Department of Astronomy, Faculty of Science, University of Tokyo, Bunkyo, Tokyo, Japan.

TANBERG-HANSEN (Dr E.), Institute of Theoretical Astrophysics, University of Oslo, Blindern, Norway.

TANNAHILL (Dr T. R.), University Observatory, Glasgow, W.2, Scotland.

TANNER (R. W.), Dominion Observatory, Ottawa, Ontario, Canada.

TARDI (Prof. P.), 4, Villa de Segur, Paris-7e, France.

TAYLER (Dr R. J.), Theoretical Physics Division, Atomic Energy Research Establishment, Harwell, near Didcot, Berkshire, England.

TCHEKIRDA (Dr A. T.), Kharkov Observatory, Kharkov, U.S.S.R.

TCHENAKAL (Dr V. L.), Lomonosov Museum, Academy of Sciences of the U.S.S.R., Lenin-grad, U.S.S.R.

TÉHÉRANY (D.), 9 Avenue des Scarabées, Brussels I, Belgium.

TEMESVÁRY (Dr S.), Max-Planck Institut für Physik und Astrophysik, Institut für Astrophysik, Aumeisterstrasse 6, München 23, Germany.

TEMPESTI (Prof. P.), Osservatorio Astronomico di Collurania, Teramo, Italy.

TER HAAR (Dr D.), Magdalen College, Oxford, England.

TERRAZAS (L. R.), Tonantzintla and Tacubaya Observatories, Mexico.

TERRIEN (Dr J.), Sous-Directeur, Bureau International des Poids et Mesures, Pavillon de Breteuil, Sèvres (Seine-et-Oise), France.

THACKERAY (Dr A. D.), Director of the Radcliffe Observatory, P.O. Box 373, Pretoria, South Africa.

THE (Dr Pik Sin), Bosscha Observatory, Lembang, Java, Indonesia.

THERNÖE (K. A.), University Observatory, Østervoldsgade 3, Copenhagen-K, Denmark.

THOMAS (Prof. O.), Astronomisches Büro, Salesianergasse 8, Wien III/40, Austria.

THOMAS (Dr R. N.), Boulder Laboratories, National Bureau of Standards, Boulder, Colorado, U.S.A.

THOMPSON (Dr A. R.), Harvard Radio Astronomy Station, Fort Davis, Texas, U.S.A.

THOMSON (M. M.), Dominion Observatory, Ottawa, Ontario, Canada.

TOMBAUGH (C. W.), New Mexico State University, Research Center, University Park, New Mexico, U.S.A.

TORAO (M.), Tokyo Astronomical Observatory, Mitaka-shi, Tokyo-to, Japan.

TORGARD (Miss Dr I. H. M.), Observatory, Lund, Sweden.

TORONDZHADZE (Dr A. F.), Abastumani Observatory, Abastumani, Georgia, U.S.S.R.

TORROJA (Dr J. M.), University of Madrid, Madrid, Spain.

TOUSEY (Dr R.), U.S. Naval Research Laboratory, Washington 25, D.C., U.S.A.

TOWNES (Dr C. H.), Department of Physics, Columbia University, New York, N.Y., U.S.A.

TRAVING (Dr G.), Institut für Theoretische Physik, Olshausenstrasse, Neue Universität, Bau 13/I, Kiel, Germany.

TREANOR S.J. (Dr P. J.), Specola Vaticana, Castel Gandolfo, Vatican City State.

TREFFTZ (Miss Dr E.), Max-Planck Institut für Physik und Astrophysik, Institut für Astrophysik, Aumeisterstrasse 6, München 23, Germany.

TRELLIS (M.), Observatoire du Pic-du-Midi, Bagnères-de-Bigorre (Hautes-Pyrénées), France.

TREXLER (J. H.), U.S. Naval Research Laboratory, Washington 25, D.C., U.S.A.

- Ts'AI (Chang-hsien), Taipei Observatory, Yuan Shan, Taipei, Taiwan.
- TSAO (Dr Mo), 47,3rd Section, Hsin-I Road, Taipei, Taiwan.
- TSSESEVICH (Prof. Dr V. P.), Director of the Astronomical Observatory, Odessa, U.S.S.R.
- TSIANG (Dr Ping-jan), National Taiwan University, Taipei, Taiwan.
- TSUKAMOTO (Y.), Japanese Hydrographic Office, 5 chome, Tsukiji, Chuo-ku, Tokyo, Japan.
- TUOMINEN (Prof. J.), Pihlajatie 49 B 20, Helsinki-Töölö, Finland.
- TUVE (Dr M. A.), Carnegie Institution of Washington, Department of Terrestrial Magnetism, 5241 Broad Branch Road, N.W., Washington 15, D.C., U.S.A.
- TUZI (Dr K.), Tokyo Astronomical Observatory, Mitaka, near Tokyo, Japan.
- TWISS (Dr R. Q.), Department of Physics, University of Sydney, Sydney, N.S.W., Australia.
- UENO (Dr S.), Institute of Astrophysics, College of Science, University of Kyoto, Kyoto, Japan.
- UETA (Dr J.), Department of Astronomy, Faculty of Science, Kyoto University, Kyoto, Japan.
- UNDERHILL (Miss Dr A. B.), Astronomical Observatory "Sonnenborgh", Zonnenburg 2, Utrecht, the Netherlands.
- UNNO (Dr W.), Department of Astronomy, Faculty of Science, University of Tokyo, Bunkyo, Tokyo, Japan.
- UNSÖLD (Prof. Dr A.), Direktor des Instituts für Theoretische Physik, Olshausenstrasse, Neue Universität, Bau 13/I, Kiel, Germany.
- UREY (Prof. H. C.), University of California, La Jolla, California, U.S.A.
- VÄISÄLÄ (Prof. Y.), Puolalanpuisto 1, Turku, Finland.
- VALNIČEK (Dr B.), Astronomical Institute, Czechoslovak Academy of Sciences, Observatory Ondřejov, Czechoslovakia.
- VAN ALBADA (Prof. G. B.), Astronomical Institute, Roetersstraat 1a, Amsterdam-C, the Netherlands.
- VAN BIESBROECK (Prof. G.), Yerkes Observatory, Williams Bay, Wisconsin, U.S.A.
- VAN DE HULST (Prof. Dr H. C.), University Observatory, Leiden, the Netherlands.
- VAN DE KAMP (Prof. P.), Director of the Sproul Observatory, Swarthmore College, Swarthmore, Pennsylvania, U.S.A.
- VANDEKERKHOVE (Dr E.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- VAN DEN BERGH (Dr S.), David Dunlap Observatory, Richmond Hill, Ontario, Canada.
- VAN DEN BOS (Dr W. H.), c.o. Royal Observatory, Observatory, C.P., South Africa.
- VANDERLINDEN (Prof. H. L.), Hertogsreef 15, Bosvoorde-Brussels 17, Belgium.
- VAN HERK (Dr G.), Observatoriet, Brorfelde (pr. Tølløse), Denmark.
- VAN HOOF (Prof. A.), Sterrenkundig Instituut van de Universiteit, 73 Naamsche Straat, Leuven, Belgium.
- VAN HOUTEN (C. J.), University Observatory, Leiden, the Netherlands.
- VAN HOUTEN-GROENEVELD (Mrs I.), University Observatory, Leiden, the Netherlands.
- VAN REGEMORTER (Dr H.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- VAN SCHEWICK (Dr H.), Universitäts-Sternwarte Bonn, Poppelsdorfer Allee 49, Bonn, Germany.
- VAN WIJK (U.), Princeton University Observatory, Princeton, New Jersey, U.S.A.
- VAN WOERDEN (H.), Kapteyn Astronomical Laboratory, Broerstraat 7, Groningen, the Netherlands.
- VANÝŠEK (Dr V.), Astronomical Institute of the Charles University, Svědská 8, Prague 5, Czechoslovakia.
- VARSAVSKY (Dr C. M.), Facultad de Ciencias Exactas, Perú 222, Buenos Aires, Argentina.

- VASILEVSKIS (Dr S.), Lick Observatory, Mount Hamilton, California, U.S.A.
- VASSY (Prof. E.), Professeur à la Faculté des Sciences Physique de l'Atmosphère, 1 Quai Branly, Paris-7e, France.
- VAUQUOIS (B.), Maître de conférences à la faculté des Sciences, Grenoble, Isère, France.
- VEGARD (Prof. L.), Apalveien 12, Lille Frøen, V. Aker, Norway.
- VELGHE (Dr A. G. P.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- VENTER (S. C.), P.O. Box 1416, Pretoria, Transvaal, South Africa.
- VERBAANDERT (Dr J.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- VERGNANO (Prof. A.), Osservatorio Astronomico, Pino Torinese, Italy.
- VICENTE (Dr R. de Oliveira), R. Mestre Aviz, 30, R/c, Algés, Portugal.
- VITKEVITCH (Dr V. V.), Chief of the Department of Radio-Astronomy, Physical Institute, Moscow, U.S.S.R.
- VOIGT (Dr H. H.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- VON DER HEIDE (Dr J. E. B.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- VON HOERNER (Dr S.), Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, Heidelberg, Germany.
- VON KLÜBER (Dr H.), The Observatories, Madingley Road, Cambridge, England.
- VON WEIZSÄCKER (Prof. Dr C. F.), Schwarzbuchenweg 40, Hamburg-Wellingbüttel, Germany.
- VORONTSOV-VELYAMINOV (Prof. Dr B. A.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- VOÛTE (Dr J. G. E. G.), Daendelstraat 46, 's-Gravenhage, the Netherlands.
- VSEKHSVYATSKY (Prof. Dr S. K.), Astronomical Observatory, Kiev 53, U.S.S.R.
- VYSSOTSKY (Prof. A. N.), 905 Garden Drive, Winter Park, Florida, U.S.A.
- WACHMANN (Dr A. A.), Hamburger Sternwarte, Hamburg-Bergedorf, Germany.
- WADDELL (Dr J. H.), Kitt Peak National Observatory, 950 North Cherry Avenue, Tucson, Arizona, U.S.A.
- WADE (Dr C. M.), National Radio Astronomy Observatory, P.O. Box 2, Green Bank, West Virginia, U.S.A.
- WAGMAN (Dr N. E.), Allegheny Observatory, Riverview Park, Pittsburgh 14, Pennsylvania, U.S.A.
- WALDMEIER (Prof. M.), Director der Eidgen. Sternwarte, Schmelzbergstrasse 25, Zürich 6, Switzerland.
- WALKER (Dr M. F.), Lick Observatory, Mount Hamilton, California, U.S.A.
- WALLENQUIST (Prof. Dr A. A. E.), Uppsala Observatory, Kvistaberg Station, BRO, Sweden.
- WALLERSTEIN (Dr G. N.), Department of Astronomy, University of California, Berkeley 4, California, U.S.A.
- WALRAVEN (Dr Th.), Leiden Southern Station, "Hartebeestpoortdam", P.O. Box 13, Broederstroom, Transvaal, South Africa.
- WALSH (Dr D.), Astronomy Department, University of Michigan, Ann Arbor, Michigan, U.S.A.
- WARWICK (Dr J. W.), High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.
- WARZÉE (Dr J.), Observatoire Royal de Belgique, 3 Avenue Circulaire, Uccle-Brussels 18, Belgium.
- WATERFIELD (Dr R. L.), Swinley Road, Ascot, Berkshire, England.
- WATTS (Dr C. B.), U.S. Naval Observatory, Washington 25, D.C., U.S.A.
- WAYMAN (Dr P. A.), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.

- WEAVER (Dr H. F.), Radio Astronomy Laboratory, University of California, Berkeley 4, California, U.S.A.
- WEHLAU (Dr W. H.), Department of Mathematics and Astronomy, University of Western Ontario, London, Ontario, Canada.
- WEIMER (Dr Th.), Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.
- WELLMANN (Prof. Dr P.), Hamburger-Sternwarte, Hamburg-Bergedorf, Germany.
- WEMPE (Prof. Dr J.), Direktor des Astrophysikalischen Observatoriums, Telegrafenberge, Potsdam, Germany.
- WENTZEL (Dr D. G.), The Observatory, University of Michigan, Ann Arbor, Michigan, U.S.A.
- WESSELINK (Dr A. J.), Radcliffe Observatory, P.O. Box 373, Pretoria, South Africa.
- WESTERHOUT (Dr G.), University Observatory, Leiden, the Netherlands.
- WESTERLUND (Dr B. E.), Mount Stromlo Observatory, Canberra, A.C.T., Australia.
- WHIPPLE (Dr F. L.), Director of the Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.
- WHITAKER (E. A.), Lunar and Planetary Laboratory, University of Arizona, Tucson, Arizona, U.S.A.
- WHITFORD (Dr A. E.), Director of the Lick Observatory, Mount Hamilton, California, U.S.A.
- WHITNEY (Prof. B. S.), University of Oklahoma Observatory, Norman, Oklahoma, U.S.A.
- WHITNEY (Dr C. A.), Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.
- WHITROW (Dr G. J.), Department of Mathematics, Imperial College of Science and Technology, Prince Consort Road, London, S.W.7, England.
- WIDORN (Dr T.), Universitäts-Sternwarte Wien, Türkenschanzstrasse 17, Wien XVIII/110, Austria.
- WIERBINSKI (Dr St.), Astronomical Observatory, Kopernika 11, Wrocław 9, Poland.
- WIETH-KNUDSEN (Dr N. P.), Svend Trostsvej 12^{III}, Copenhagen-V, Denmark.
- WILCOCK (Dr W. L.), Physics Department, Imperial College of Science and Technology, Prince Consort Road, London, S.W.7, England.
- WILD (J. P.), Radiophysics Laboratory, C.S.I.R.O., University Grounds, Sydney, N.S.W., Australia.
- WILD (P.), Astronomisches Institut der Universität Bern, Sidlerstrasse 5, Bern, Switzerland.
- WILDT (Prof. R.), Yale University Observatory, Box 2023, Yale Station, New Haven, Connecticut, U.S.A.
- WILKENS (Prof. Dr A.), Oberföhringerstrasse 10, München 27, Germany.
- WILKINS (Dr G. A.), H.M. Nautical Almanac Office, Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.
- WILSON (Dr A. G.), P.O. Box 113, Topanga, California, U.S.A.
- WILSON (Dr O. C.), Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, California, U.S.A.
- WILSON (Dr R.), C.T.R. Division, Atomic Energy Research Establishment, Harwell, near Didcot, Berkshire, England.
- WITKOWSKI (Prof. J.), Director of the Observatory of Poznań, Ul. Śloneczna 36, Poznań, Poland.
- WLÉRICK (Dr G.), Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.
- WOLTJER (Dr L.), University Observatory, Leiden, the Netherlands.
- WOOD (Prof. F. B.), Flower and Cook Observatory, University of Pennsylvania, Philadelphia 4, Pennsylvania, U.S.A.
- WOOD (H. W.), Government Astronomer, The Observatory, Sydney, N.S.W., Australia.
- WOOLARD (E. W.), Director of the Nautical Almanac, U.S. Naval Observatory, Washington 25, D.C., U.S.A.

- WOOLLEY (Dr R. v. d. R.), Astronomer Royal, Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.
- WOOLSEY (E. G.), Dominion Observatory, Ottawa, Ontario, Canada.
- WRIGHT (Miss Dr F. W.), Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.
- WRIGHT (Dr K. O.), Dominion Astrophysical Observatory, Victoria, B.C., Canada.
- WRUBEL (Dr M. H.), Goethe Link Observatory, Indiana University, Bloomington, Indiana, U.S.A.
- WÜNSCHMANN (Prof. Dr F.), Sternwarte Babelsberg, bei Berlin, Germany.
- WURM (Prof. Dr K.), Hamburger-Sternwarte, Hamburg-Bergedorf, Germany.
- WYATT Jr. (Dr S. P.), University of Illinois Observatory, Urbana, Illinois, U.S.A.
- WYLLER (Dr A. A.), Institute of Theoretical Astrophysics, Blindern (pr. Oslo), Norway.
- XANTHAKIS (Prof. J.), Research and Computing Center, Academy of Sciences of Athens, Athens, Greece.
- YABUUTI (Dr K.), Research Institute of Humanistic Science, Kyoto University, Kyoto, Japan.
- YAKHONTOVA (Mrs Dr N. Samoilova), Institute of Theoretical Astronomy, Leningrad, U.S.S.R.
- YAKOVKIN (Prof. Dr A. A.), Main Astronomical Observatory of the Academy of Sciences of the Ukrainian S.S.R., Kiev 41, U.S.S.R.
- YAKOVKIN (Dr N. A.), Kiev University Observatory, Kiev, U.S.S.R.
- YAPLEE (B. S.), U.S. Naval Research Laboratory, Washington 25, D.C., U.S.A.
- YEN (Dr J. L.), Department of Electrical Engineering, University of Toronto, Toronto, Ontario, Canada.
- YOSS (Dr K. M.), Mt. Holyoke College, South Hadley, Massachusetts, U.S.A.
- YOUNG (Dr A.), Mathematics Department, University of Liverpool, Liverpool 3, England.
- YÜ (Dr Ching-Sung), Williams Observatory, Hood College, Frederick, Maryland, U.S.A.
- ZAGAR (Prof. F.), Direttore dell'Osservatorio Astronomico, Via Brera 28, Milano, Italy.
- ZANSTRA (Prof. H.), Zomerzorgerlaan 9, Bloemendaal, the Netherlands.
- ZELMANOV (Dr A. L.), Sternberg Astronomical Institute, Moscow, U.S.S.R.
- ZHONGOLOVICH (Prof. Dr I. D.), Institute of Theoretical Astronomy, Leningrad, U.S.S.R.
- ZIMMERMAN (Prof. Dr G. K.), Nikolaiev Observatory, Nikolaiev, U.S.S.R.
- ZINNER (Prof. Dr E.), Remeis-Sternwarte, Sternwartestrasse 7, Bamberg, Germany.
- ZIRIN (Dr H.), High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.
- ZIRKER (Dr J. B.), Sacramento Peak Observatory, Sunspot, New Mexico, U.S.A.
- ZONN (Prof. W.), Astronomical Observatory, Ujazdowskie 4, Warsaw, Poland.
- ZUCKERMANN (Mlle M. C.), Institut d'Astrophysique, 98bis Boulevard Arago, Paris-14e, France.
- ZVEREV (Prof. Dr M. S.), Pulkovo Observatory, Leningrad M. 140., U.S.S.R.
- ZWICKY (Prof. F.), California Institute of Technology, Pasadena, California, U.S.A.

The following, who were Members of the Union in August 1961, have since died:

Les personnes suivantes, qui étaient Membres de l'Union en août 1961, sont décédées depuis cette date:

W. Dziewulski, T. Hattori, K. Lassovszky, R. R. McMath, N. V. E. Nordenmark, H. S. Spigl, P. ten Bruggencate.