

Australia, New Zealand:

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It is not necessary for observatories to receive all the "astrograms"; instead, subscribers can specify only the desired standard categories (the identifying telegram code word appears in the second column):

- A. ALPHA Comet discoveries, brighter than magnitude 12.
- B. BETA Comet discoveries, fainter than magnitude 12.
- C. CHARLY Comet observations and brief finding ephemerides (primarily for observers).
- D. DELTA Precise positions, orbits and ephemerides (primarily for computers).
- E. ECHO Novae or supernovae, brighter than magnitude 12.
- F. FRANCE Novae or supernovae, fainter than magnitude 12.
- G. GAMMA All others, including planetary or lunar phenomena, spectroscopic binaries, etc.

Almost all the messages are transmitted according to a telegraphic cipher code. The code is described in *Trans. IAU, XIIC*, pp. 34–38, to which the corrections in *Trans. IAU, XIIC*, pp. lxxxii–lxxxiii should be noted. Corrected reprints of the code may be obtained from the Central Bureau. Some messages cannot be cast in the standard coded form, but observers are nevertheless urged to include sufficient redundancy to prevent errors.

In addition to the astrograms, the Central Bureau maintains an even wider coverage by means of its postcard *Circulars*, which are issued irregularly about 50 times a year. These contain confirmations of the telegrams, predicted ephemerides for comets and unusual asteroids as well as observed positions, observations of novae and supernovae, and other astronomical information that requires rapid dissemination. About 600 observatories and amateurs subscribe to the *Circulars*.

The *Circulars* are available by advance subscription only, for 50 or 100 issues (not corresponding to a calendar year). These financial arrangements are entirely separate from the telegrams. The subscription rates below are those as of 1 December 1967 and depend on the destination and mode of transport:

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## V. THE PUBLICATIONS OF THE INTERNATIONAL ASTRONOMICAL UNION

### A. TRANSACTIONS OF THE IAU

XIIIA—Prague 1967; pp. 1151, Reidel Publishing Company, Dordrecht, 1968

XIIIB—Prague 1967; pp. 319, Reidel Publishing Company, Dordrecht, 1968

### B. PROCEEDINGS OF SYMPOSIA

- 24. Spectral Classification and Multicolour Photometry; ed. by K. Lodén, U. Sinnerstad; pp. 383; Academic Press (London), 1966; 120s.
- 25. The Theory of Orbits in the Solar System and in Stellar Systems; ed. by G. Contopoulos; pp. 380; Academic Press (London), 1966; 120s.
- 26. Abundance Determinations in Stellar Spectra; ed. by H. Hubenet; Academic Press (London), 1966; pp. 374; 120s.
- 27. The Construction of Large Telescopes; ed. by D.L. Crawford; pp. 234; Academic Press (London), 1966; 70s.

28. Fifth Symposium on Cosmical Gas Dynamics: Aerodynamic Phenomena in Stellar Atmospheres; ed. by R. N. Thomas; pp. 483; Academic Press (London), 1967; 140s.
29. Instability Phenomena in Galaxies; ed. by M. Arakeljan (in Russian). Orders to the Meždunarodnaja Kniga, Moskva, USSR, or agencies.
30. Determination of Radial Velocities and their Applications; ed. by A. H. Batten and J. F. Heard; pp. 262; Academic Press (London), 1967; 84s.
31. Radio Astronomy and the Galactic System; ed. by H. van Woerden; pp. 501; Academic Press (London), 1967; 140s.
32. Continental Drift, Secular Motion of the Pole, and Rotation of the Earth
33. Physics and Dynamics of Meteors
34. Planetary Nebulae
35. The Structure and Development of Solar Active Regions

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Proceedings of Symposia from No. 32 onwards are published and distributed by D. Reidel Publishing Company, Dordrecht, The Netherlands. Orders should be sent to this address.

C. OTHER PUBLICATIONS PUBLISHED AND SPONSORED BY THE IAU

1. *Circulars of Commissions of the IAU*. In addition to Commissions 26, 27, and 42 (see IAU Transactions XIIC, p. 44), Commission 41 (History of Astronomy) publishes the current bibliography on the history of Astronomy (editor P. G. Kulikovskij) and Information Circular. In 1964–1967, Nos. 7–14 appeared, edited by E. Rybka.

28. *Proceedings of IAU Colloquia*

(a) *Blanketing Effect*, edited by K. H. Böhm, *Journal of Quantitative Spectroscopy and Radiative Transfer*, vol. 6, no. 5, 1966

(b) *Late-type-Stars*, edited by Margherita Hack, Osservatorio Astronomico di Trieste, 1966

(c) *The Fine Structure of the Solar Atmosphere*, edited by K. O. Kiepenheuer, *Forschungsberichte* 12, Deutsche Forschungsgemeinschaft, Franz Steiner Verlag, Wiesbaden 1966.

(d) *Evolution of Double Stars*, edited by J. Dommaget, *Observatoire Royal de Belgique, Communications*, Série B, no. 17, 1967.

(e) *Les nouvelles méthodes de la dynamique stellaire*, edited by F. Nahon and M. Hénon, Editions du Centre National de la Recherche Scientifique, Paris, 1967.

(f) *International Conference on Spectroscopy, 1967*. Mimeographed proceedings in two volumes. Requests for copies should be addressed to: Scientific Information Officer, Bhabha Atomic Research Centre, Modular Laboratories, Trombay, Bombay-74, India.

VI. THE SYMPOSIA OF THE INTERNATIONAL ASTRONOMICAL UNION

Table 1

No.	Title	Date and place	Editor and Publishing House	Organized in co-operation with
29.	Instability Phenomena in Galaxies	May, 1966 Bjurakan, USSR	M. Arakeljan, Meždunarodnaja kniga (in Russian)	
30.	Determination of Radial Velocities and their Applications	June, 1966 Toronto, Canada	A. H. Batten and J. F. Heard IAU–Academic Press	