

PART 4  
ASTRONOMER'S HANDBOOK

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The Astronomer's Handbook (*IAU Transactions XIIC*, edited by J.-C. Pecker, *IAU Transactions XIIIIB*, edited by L. Perek, *IAU Transactions XIVB*, edited by C. de Jager and A. Jappel, and *IAU Transactions XV B*, edited by G. Contopoulos and A. Jappel) contains documents of permanent importance. Only the parts changed after the XVth General Assembly are supplemented here.

## I. SHORT HISTORY OF THE INTERNATIONAL ASTRONOMICAL UNION

Table 2 of *IAU Transactions XIIC* (see also volumes mentioned above) should be supplemented as follows:

XVth General Assembly, 1976, Grenoble, Isère, France	
Members of the Union, after the General Assembly	3.805
Adhering Countries	48
Participants in the General Assembly (Members 1062)	2.134
Number of Commissions	40
Volumes of Transactions: XVI A (in three parts)	pp. XXI+690
XVI B	pp. X +537
<i>Highlights 1976</i>	pp. VII+754
President: A. Blaauw	1976-1979
General Secretary: Edith A. Müller	1976-1979
Assistant General Secretary: P. A. Wayman	1976-1979
Vice Presidents: D. S. Heeschen	1976-1982
E. K. Kharadze	1976-1982
S. van den Bergh	1976-1982

## II. ADMINISTRATION AND FINANCES OF THE UNION

### A. ADMINISTRATION

The address of the General Secretary is:

Prof. Edith A. Müller  
Observatoire de Genève  
CH 1290 Sauverny  
Switzerland

The Secretariat, consisting of the Executive Secretary A. Jappel, the Administrative Secretary Mrs. J. Dankova, and a typist, has its office at the Bâtiment des sciences physiques of the University of Lausanne in Dorigny, 1015 Lausanne.

All matters related to Symposia and Colloquia are dealt with by the Assistant General Secretary

Prof. P. A. Wayman  
Director, Dunsink Observatory  
Castleknock  
Co. Dublin  
Ireland

## B. FINANCES

The XVth General Assembly resolved that the unit of contributions payable by Adhering Countries to the IAU be increased to 1.465.00 Swiss francs for the years 1977, 1978 and 1979.

## III. THE INTERNATIONAL ASTRONOMICAL UNION AND OTHER INTERNATIONAL SCIENTIFIC ORGANIZATIONS

## A. THE INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS

The terms of office of other international scientific bodies differ from those of the IAU. Information in this respect should be looked up in the latest Yearbook of the ICSU. Only IAU representatives are mentioned in the following paragraphs.

The IAU is represented by the General Secretary, Professor Edith A. Müller, on the General Committee of ICSU.

## B. IAU REPRESENTATIVES ON SCIENTIFIC AND SPECIAL COMMITTEES OF ICSU

1. *Committee on Space research (COSPAR)* : Edith A. Müller
2. *ICSU Abstracting Board (IAB)*: J.-C. Pecker
3. *Federation of Astronomical and Geophysical Services (FAGS)*:  
H. Enslin and Edith A. Müller

IAU representatives in FAGS services:

- a) *Bureau International de l'Heure (BIH)*: H. Enslin and H. M. Smith
- b) *International Polar Motion Service (IPMS)*: S. Yumi
- c) *International Ursigrams and World Day Service (IUWDS)*: F. W. Jäger
- d) *Scientific Ballooning and Radiations Monitoring Organization (SBARMO)*: P. Simon

## C. IAU REPRESENTATION IN INTER-UNION COMMITTEES AND IN COMMISSIONS OF ICSU

1. *Inter-Union Committee on Frequency Allocation for Radio Astronomy and Space Sciences (IUCAF)*: G. Westerhout and R. Wielebinski
2. *Special Committee for Solar Terrestrial Physics (SCOSTEP)*: Z. Svestka
3. *Inter-Union Commission for Science Teaching (IUCST)*: L. N. Houziaux
4. *Committee for Data on Science and Technology (CODATA)*: G. A. Wilkins
5. *Inter-Union Commission on Spectroscopy (IUCS)*: B. Edlén, J. G. Philips and  
M. J. Seaton
6. *Committee on Science and Technology in Developing Countries (COSTED)*:  
L. N. Houziaux
7. *Scientific Committee on Problems of the Environment (SCOPE)*: R. Cayrel and  
J.-C. Pecker

## D. IAU REPRESENTATION IN OTHER ORGANIZATIONS

1. *Fondation Internationale du Pic-du-Midi*: A. Lallemand
2. *Comité Consultatif pour la Définition de la Seconde (CCDS)*: Wm. Markowitz
3. *Comité Consultatif pour la Définition du Mètre (CCDM)*: A. H. Cook
4. *International Radio Consultative Committee (CCIR)*: F. G. Smith and H. M. Smith
5. *European Physical Society*: P. A. Wayman

IV. SERVICES AND FUNCTIONS OF THE IAU

There are no changes as against the corresponding chapter in Transactions Vol. XV B.

V. AND VI. PUBLICATIONS AND SYMPOSIA OF THE INTERNATIONAL ASTRONOMICAL UNION

Reference is made to Information Bulletin No. 36 - June 1976, and No. 37 - January 1977.

VII. EXECUTIVE COMMITTEE 1976-1979

PRESIDENT

Professor Dr. A. Blaauw, Sterrewacht-Huygens Laboratorium, Wassenaarseweg 78, Leiden, 2405, The Netherlands.

VICE-PRESIDENTS

Mr. J. G. Bolton, CSIRO, Division of Radiophysics, P.O.Box 276, Parkes, Epping, N.S.W. 2870, Australia.

Professor Ch. Fehrenbach, Directeur de l'Observatoire de Haute Provence, Saint Michel l'Observatoire, 04300 Forcalquier, France.

Dr. D. S. Heesch, National Radio Astronomy Observatory, Edgemont Road, Charlottesville, Virginia 22901, U.S.A.

Professor W. Iwanowska, Institute of Astronomy, Nicolaus Copernicus University, ul. Chopina 12/18, Pl-87-100 Toruń, Poland.

Academician E. K. Kharadze, Director Abastumany Astrophysical Observatory, M.T. Canobili, Abastumani 383762, USSR.

Professor S. van den Bergh, David Dunlap Observatory, University of Toronto, Richmond Hill, Ontario L4C 4Y6, Canada.

GENERAL SECRETARY

Professor Edith A. Müller, Observatoire de Genève, CH-1290 Sauverny, Switzerland.

ASSISTANT GENERAL SECRETARY

Professor P. A. Wayman, Director, Dunsink Observatory, Castleknock, Co. Dublin, Ireland.

ADVISERS TO THE EXECUTIVE COMMITTEE

Professor L. Goldberg, Director, Kitt Peak National Observatory, P.O.Box 26732, Tucson, Arizona 85726, U.S.A. - former President.

Professor Dr. G. Contopoulos, Astronomy Department, Panepistimiopolis, Athens-621, Greece.

## VIII. BY-LAWS

Article 12 (a) of the By-laws (IAU Transactions XIV B, p. 273-275, 1971) reads as follows:

"12. (a) Proposals for elections to the President of the Union, six Vice-Presidents, the General Secretary and the Assistant General Secretary are submitted to the General Assembly by the Special Nominating Committee. This consists of the President and past President of the Union, a member proposed by the retiring Executive Committee, and four members elected by the Nominating Committee from among twelve Members proposed by Presidents of Commissions. Other than the President and immediate past President, present and former members of the Executive Committee shall not serve on the Special Nominating Committee".

## IX. WORKING RULES

Concerning the rules for scientific meetings reference is made to Transactions Vol. XIV B, 1971 p. 284-288. As to IAU publications (Transactions, Highlights, Symposia) the instructions for preparing camera-ready manuscripts are published in the Information Bulletin No. 36, June 1976.

## X. LIST OF COUNTRIES ADHERING TO THE UNION

The following is a list of the 48 countries that adhered to the Union in September 1976, giving also the year of admission, the approximate number of Members, and the Adhering Organizations.

<i>Country</i>	<i>Year</i>	<i>Members</i>	<i>Adhering Organizations</i>
Arab Republic of Egypt	1925	18	Academy of Scientific Research and Technology Dept. Sci. Soc. and Internat. Unions 101, Kasr El Eini Street Cairo
Argentina	1927	31	Comité Nacional de Astronomia Observatorio Astronomico "Felix Aguilar" Av. Benavidez 8175 Oeste 5407 Marquesado, San Juan
Australia	1939	78	Australian Academy of Science P.O.Box 216 Civic Square Canberra, A. C. T. 2608
Austria	1955	24	Oesterreichische Akademie der Wissenschaften Dr. Ignaz Seipel-Platz 2 1010 Vienna

<i>Country</i>	<i>Year</i>	<i>Members</i>	<i>Adhering Organizations</i>
Belgium	1920	61	Académie Royale de Belgique Palais des Académies 1, rue Ducale Bruxelles 1
Brazil	1961	21	Comissao Brasileira de Astronomia (CBA) Conselho Nacional de Pesquisas Avenida Marechal Câmara 350 Rio de Janeiro GB
Bulgaria	1957	17	Bulgarian Academy of Sciences 7th November Street 1 Sofia
Canada	1920	134	National Research Council of Canada International Relations Ottawa K1A 0R6
Chile	1947	9	Universidad de Chile Observatorio Astronomico Nacional Casilla 36-D Santiago de Chile
Colombia	1967	2	Academia Colombiana de Ciencias Exactas Fisicas y Naturales, Carrera 8a Apartado Nal. 2584, Bogota 1, D.E.
Cuba	1970	0	Instituto de Astronomia de la Academia de Ciencias de Cuba Calle 174/1722, Cubanacan, Habana
Czechoslovakia	1922	50	Czechoslovak Academy of Sciences Narodni 3 Praha 1 Czechoslovakia
Denmark	1922	31	Videnskabernes Selskab Dantes Plads 5 DK - 1556 Copenhagen V
Finland	1948	16	Académie des Sciences et Lettres Snellmaninkatu 9-11 Helsinki 17
France	1920	290	Académie des Sciences Institut de France 23, Quai de Conti 75, Paris 6e
Germany, D.R.	1951	37	Akademie der Wissenschaften der DDR Otto Nuschkestrasse 22/23 DDR 108 Berlin

<i>Country</i>	<i>Year</i>	<i>Members</i>	<i>Adhering Organizations</i>
Germany, F.R.	1951	199	Rat Westdeutscher Sternwarten Institut für Theoretische Physik und Sternwarte der Universität Neue Universität, Olshausenstrasse 2300 Kiel
Greece	1920	37	Academy of Athens Panepistimiou Str. Athens
Hungary	1947	21	Hungarian Academy of Sciences Roosevelt tér 9 Budapest V
India	1964	63	Indian National Science Academy Bahadur Shah Zafar Marg New Delhi- 110001
Iran	1969	3	Université de Téhéran Institut Géophysique Amirabad Shomali Teheran
Iraq	1976	1	Foundation of Scientific Research P.O.Box 255 Baghdad
Ireland	1947	15	National Committee of Astronomy The Royal Irish Academy 19 Dawson Street Dublin 2
Israel	1954	29	The Israel Academy of Sciences and Humanities 43 Jabotinsky Rd., P.O.B. 4040 Jerusalem 91 040
Italy	1921	141	Consiglio Nazionale delle Ricerche Piazzale delle Scienze 7 Rome
Japan	1920	174	Science Council of Japan 22-34 Roppongi, 7 chome Minato-ku, Tokyo 106
Korea (DPR)	1961	3	Academy of Sciences Pyongyang
Korea (Republic)	1973	4	Korean National Astronomical Observatory Yoksam-Dong, Kangnam-ku Seoul, 134-03

<i>Country</i>	<i>Year</i>	<i>Members</i>	<i>Adhering Organizations</i>
Mexico	1921	21	Instituto de Astronomia, UNAM Apartado Postal 70-264 México, D.F.
Netherlands	1922	111	Koninklijke Nederlandse Akademie van Wetenschappen Kloveniersburgwal 29 Amsterdam - C
New Zealand	1964	14	The Royal Society of New Zealand 6 Kelburn Parade P.O.Box 12249 Wellington
Norway	1922	16	Det Norske Videnskaps-Akademi i Oslo Drammensveien 78 Oslo 2
Poland	1922	54	Polska Akademia Nauk Palac Kultury i Nauki Warsaw
Portugal	1924	14	Seccao Portuguesa das Unioes Inter- nacionais Astronomicas e Geodésia e Geofisica Praça da Estrela, Lisboa 2
Roumania	1928	20	Roumanian National Committee of Astronomy Astronomical Observatory Str. Cutitul de Argint 5 Bucarest 28
South Africa	1938	12	Council for Scientific and Industrial Research Information and Research Services Pretoria 0001
Spain	1922	30	Comision Nacional de Astronomia Instituto Geografico y Catastral General Ibanez 3 Madrid (3)
Sweden	1925	58	Kungl. Vetenskapsakademien Fack, S-104 05 Stockholm 50
Switzerland	1923	35	Schweizerische Naturforschende Gesellschaft Zentralsekretariat, Laupenstr. 10 3000 Bern
Taiwan	1959	11	Academia Sinica No. 130 Yen Chiu Yuan Road Section 11 Nankang-Taipei



<i>Country</i>	<i>Year</i>	<i>Members</i>	<i>Adhering Organizations</i>
Turkey	1961	30	Türk Astronomi Derneği University Rasathanesi Beyazit, Istanbul
United Kingdom	1920	339	The Royal Society 6, Carlton House Terrace London, SW1Y 5AG
Uruguay	1970	0	Ministerio de Educacion y Cultura Comité Nacional de Astronomia Casilla de Correo 867 Montevideo
U.S.A.	1920	1108	National Academy of Sciences Office of the Foreign Secretary 2101 Constitution Ave N.W. Washington, D.C. 20148
U.S.S.R.	1935	390	Academy of Sciences of the U.S.S.R. Leninskij Prospekt 14 Moscow 71
Vatican City State	1932	6	Pontificia Academia delle Scienze Citta del Vaticano
Venezuela	1953	5	Asociacion Venezolana de Astronomia Facultad de Ingenieria Departamento de Geodesia Universidad del Zulia Maracaibo
Yugoslavia	1935	22	Savez društva matematičara, fizičara i astronoma Jugoslavije Attn. Secretary General ul. Dr. Ilije Duričića 4 Novi Sad