

CHAPTER V

REPORT OF THE EXECUTIVE COMMITTEE 1994-1997

The present report covers the period between the conclusion of the XXIInd General Assembly on August 24, 1994, and that of the XXIIIrd General Assembly on August 27, 1997.

EXECUTIVE COMMITTEE 1994-1997

L. Woltjer	President
R.P. Kraft	President-Elect
I. Appenzeller	General Secretary
J. Andersen	Assistant General Secretary
C.A. Anguita	Vice-President
B. Hidayat	Vice-President
D.S. Mathewson	Vice-President
F. Pacini	Vice-President
J.I. Smak	Vice-President
V.L. Trimble	Vice-President
A.A. Boyarchuk	Advisor
J. Bergeron	Advisor

1. Administrative Matters

EXECUTIVE COMMITTEE MEETINGS

The full Executive Committee met as follows during the reporting period:

66th Meeting, August 25, 1994, in The Hague, The Netherlands

67th Meeting, August 18 - 21, 1995, at Mt. Stromlo Observatory, Canberra, Australia

68th Meeting, June 23 - 25, 1996, at the Space Telescope Science Institute, Baltimore, USA

The activities of the Executive Committee are recorded in the minutes of the Executive Committee meetings. Summaries of these minutes were published in the IAU Information Bulletin (EC 65: IB 74, p. 25; EC 66: IB 74, p. 25; EC 67: IB 76, p. 5; EC 68: IB 79, p. 3).

OFFICERS MEETINGS

The IAU Officers (President, President-Elect, General Secretary, Assistant General Secretary) met at the IAU Secretariat in Paris, France, on February 25-26, 1995; February 25, 1996; and February 24, 1997.

IAU SECRETARIAT

The Secretariat continued to function at its premises at the Institut d'Astrophysique de Paris (INSU-CNRS), according to an agreement in force since November 1989. The Secretariat staff consisted, as before, of Mrs. M. Léger-Orine (Administrative Assistant) and Ms. J. Saucedo (Secretary).

IAU ARCHIVES

Among the duties of the General Secretary explicitly mentioned in our Statutes is to preserve the archives of the Union. The Executive Committee, therefore, accepted with gratitude the kind offer of Professor Adriaan Blaauw, former IAU President, to reorganise the IAU archives for the period 1919-1970.

During the past three years, Professor Blaauw (with some help from IAP students) has done an outstanding job in sorting, labelling and describing the many documents which had accumulated in the Secretariat. It is expected that these documents will be deposited, probably in 1998, in a professional archive, where they will be properly maintained and readily accessible to future historians of science.

REVISION OF THE IAU STATUTES, BYE-LAWS, AND WORKING RULES

A significant fraction of the EC's work was devoted to a revision of the IAU Statutes, Bye-Laws and Working Rules. The successful introduction of Divisions into our organisational structure on an informal basis as decided by the XXIIInd General Assembly in The Hague, and the resulting wish to make the Divisions a permanent feature of the IAU, implied a number of revisions of our basic rules.

In the course of making these amendments, the EC decided to also correct a number of deficiencies that had become apparent in the previous version of these documents. Among the proposed modifications is a provision which will explicitly allow Division Presidents to propose astronomers who are not represented by an IAU adhering body as new Individual Members of our Union. While such proposals from Commission Presidents had occasionally been accepted in the past, the actual procedure to be followed was unclear, which had led to difficulties during the XXIIInd General Assembly.

Amendments of the IAU Working Rules were also proposed, adding for the first time written rules and guidelines for the drafting and submission of Resolutions at General Assemblies as well as rules concerning the formation of Working Groups of the Union.

As recorded in Chapter II of these Transactions, the proposed revisions were approved unanimously by the General Assembly. The revised Statutes, Bye-Laws, and Working Rules are printed in Chapter VII of this volume.

ADHERING COUNTRIES

In conformity with the ICSU policy regarding the States of the former Soviet Union and the former State of Yugoslavia, Azerbaijan, Croatia, Georgia and Latvia became National Members of the IAU, all in Category of Adherence I, with their Academies of Science as the Adhering Bodies.

The Executive Committee decided to recommend to the General Assembly that Bolivia be admitted as an Associate Member of the Union, and that the Central American Assembly of Astronomers (CAAA) also be admitted as an Associate Member, representing the astronomers in Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Panama. The same rules as for normal Associate Countries will apply also to the CAAA as the Adhering Organisation.

The Executive Committee approved a change in the Category of Adherence of Australia from III to IV and of Spain from II to IV, both effective from 1996, and of Denmark from II to III, effective from 1997.

Regrettably, the dues of the Democratic People's Republic of Korea and Morocco not having been paid for over five years, the IAU membership of these countries terminated at the end of 1995 and 1996, respectively, as laid down in Article 7 of the IAU Statutes.

Number of Adhering National Organisations as of April 30, 1997:	60
Full Members	56
Associate Members	4

INDIVIDUAL MEMBERSHIP AND CONSULTANTS

Individual members admitted at the XXIIInd General Assembly	674
Number of individual members as of May 12, 1997	7497
Number of consultants as of May 12, 1997	219

The Executive Committee reports, with regret, that the deaths of the following 136 Members of the Union have been reported to the Secretariat since the XXIIInd General Assembly:

Alfven Hannes	Jacchia Luigi G	Mrkos Antonin	Shah Ghanshyam A
Baize Paul	Jaks Waldemar	Müller Edith A	Shaw R William
Bel Nicole J	Jaschek Mercedes	Nadolschi V	Shchegolev Dimitrij E
Bertiau Flor C	Joshi G C	Nagasawa Shingo	Shoemaker Eugene M
Boigey Francoise	Jurkevich Igor	Nakano Saburo	Shul'berg A M
Bosman-Crespin D	Kaburaki Masaki	Nemiro Andrej A	Shuter William L H
Canavaggia Renée	Karandikar R V	Ney Edward P	Smolinski Jan
Candy Michael P	Katsis Demetrius	Nicolet Marcel	Smoluchowski Roman
Cardelli Jason A	Kessler Karl G	Ogir Maya	Sobolev Vladislav M
Catarzi Marco	King Robert Burnett	Oliver Bernard M	Spitzer Jr Lyman
Chandrasekhar S	Konin V V	Onderlicka Bedrich	Strassl Hans L
Chanmugam Ganesar	Kothari D S	Page Thornton L	Tarafdar Shankar P
Chugajnov P F	Koyama Ko-u-ichi	Parijskij N N	Tayler Roger J
Chuvaev K K	Koziel Karol	Petrov Georgij I	Thomas Richard N
de Kort Jules J	Krassovsky V I	Pilowski K	Tombaugh Clyde W
de Vaucouleurs G	Kristian Jerome	Pohl Eckhard	Tousey Richard
Demin Vladimir	Lahiri N C	Prokofev Vladimir K	Unsöld Albrecht
Di-Sheng Zhai	Lipovetsky Valentin A	Purcell Edward M	Urbarz H
Dicke Robert H	Lytleton Raymond A	Rahe Jürgen	van de Kamp Peter
Divari N B	Loose Hans-Hermann	Rana Narayan C	Vanysek Vladimir
Doggett Leroy E	Lüst Rhea	Ribes Elizabeth	von Der Heide Johann
Epstein Isadore	Lutz Thomas E	Rosenberg J	Wackernagel H Beat
Florentin Nielsen R	Luyten Willem J	Rosino Leonida	Wares Gordon W
Fowler William A	Macris Constantin J	Rubashev Boris M	Wargau Walter F
Gleissberg Wolfgang	Markert Thomas H	Runcorn Stanley K	Wattenberg D
Godart Odon	Marx Siegfried	Rybka Przemyslaw	Wehlau William H
Götz Woldemar	Mayall Margaret W	Rylov Valerij S	Weigert Alfred
Gottlieb Kurt	McKeith Conal D	Sagan Carl	Xanthopoulos B C
Habibullin Sh T	Mergentaler Jan	Sagnier Jean-Louis	Yakovkin N A
Haug Ulrich	Middlehurst B M	Scaria K K	Yamakoshi Kazuo
Herr Richard B	Milovanovic Vladeta	Schiller Karl	Yen Jui-Lin
Hirst William P	Mitchell Jr Walter E	Schrutka-	Zel'manov A L
Hooghoudt B G ir	Monsignor Fossi B	Rechtenstamm P	
Hubert Henri	Morando Bruno L	Schwarzschild Martin	
Irwin John B	Moutsoulas Michael	Sen S N	

DIVISIONS

The 11 Divisions introduced on a trial basis at the XXIIInd General Assembly fulfilled their mission very satisfactorily, leading to their adoption on a permanent basis through the revision of the Statutes, Bye-Laws and Working Rules approved at the XXIIIrd General Assembly.

In particular, the advice of the Division Presidents was solicited and carefully considered by the Executive Committee in the selection of IAU sponsored scientific meetings. Considerations were also initiated regarding the optimum organisational structure within each Division. During the triennium, Commission 7 joined Division I, and Commission 50 joined Division III.

COMMISSIONS

Commission 6: Astronomical Telegrams

The number of IAU Circulars issued by the Central Bureau for Astronomical Telegrams was 208, 159, and 247 in 1994, 1995, and 1996, respectively. The decreasing number from 1994 to 1995 is explained by the introduction of the *Minor Planet Electronic Circulars* and other electronic services.

Commission 7: Celestial Mechanics and Dynamical Astronomy

The proposed change of name of Commission 7 from *Celestial Mechanics* to the above was approved.

Commission 20: Positions & Motions of Minor Planets, Comets & Satellites

In 1994, 1995 and 1996, *Minor Planet Circulars* were issued, under the direction of B.G. Marsden for a total of 1574, 1784 and 2432 pages, respectively. In all, 411, 550 and 615 minor planets were numbered in 1994, 1995, and 1996, respectively.

Commission 38: Exchange of Astronomers

The aim of this programme is to provide support to astronomers from developing countries who spend periods over three months at a foreign host institution to pursue their training and formation in astronomy and their scientific collaboration with other astronomers. During the triennium 1994 - 1997, 31 travel grants were awarded through this programme.

Commission 44: Space and High Energy Astrophysics

The former Commissions 44 (Astronomy from Space) and 48 (High Energy Astrophysics) merged to form this new, single Commission.

Commission 46: Teaching of Astronomy*International Schools for Young Astronomers (ISYA)*

These schools are of three weeks' duration. They consist of both lectures by national and international senior astronomers, usually with emphasis on a broad astronomical theme, and an introduction to observational techniques, data reduction, and analysis, at an active observatory when possible. Attending students and young astronomers are both from the host country and nearby countries.

The following ISYA's took place during the triennium:

- 21st ISYA Cairo University and Kottamia Observatory, Egypt, September 18 - October 8, 1994
- 22nd ISYA Belo Horizonte, Brazil, 9 - 29 July, 1995
- 23rd ISYA Zanzan, Iran, 4 - 27 July, 1997

Teaching for Astronomy Development (TAD)

A major new educational activity introduced by the present EC is the *Teaching for Astronomy Development (TAD)* programme, which aims at developing astronomy in countries in which astronomy has been developing slowly or not at all, and where local scientists (usually physicists) wish to develop education and research in astronomy. The format of the programme is flexible, adapted to local needs, and may include the provision of teaching materials (including books, PCs, software, or instruments), visits by lecturers from abroad, or support for regional meetings.

The TAD programme was started in 1996 and 1997 with the support of educational institutions in Vietnam and Central America. TAD activities in Morocco and Sri Lanka are under consideration.

WORKING GROUPS OF THE EXECUTIVE COMMITTEE

The Executive Committee approved the creation of a Working Group on *Future Large Scale Facilities*, reporting to the Executive Committee. Its mandate is to promote the early discussion and dissemination of information on potential large scale international projects, and to set up and maintain an inventory of such projects, in order to further contacts and cooperation between different projects and to identify areas of significant duplication or lack of clearly desirable efforts. The composition of the Working Group is reported in Chapter VI of this volume.

REPRESENTATION AT OTHER INTERNATIONAL ORGANIZATIONS

The IAU was represented by the Assistant General Secretary at the following ICSU meetings: General Committee, Rabat, Morocco, October 13-15, 1994 and Chiang Mai, Thailand, October 7-9, 1995; XXVth General Assembly, Washington, DC, September, 1996. At the General Assembly, a major modernisation of ICSU's goals and organisational structure was approved. The Assistant General Secretary, elected to

the ICSU Standing Committee on Membership, Structure and Statutes at the General Assembly, attended the meeting of that Committee in Paris, March 26-28, 1997, the main task of which was to prepare a corresponding revision of the ICSU Statutes and Rules of Procedure.

The IAU was represented by the General Secretary, at the XXXIst Scientific Assembly of COSPAR, the ICSU Committee for Space Research, at Birmingham, UK, July 14 - 21, 1996. Consultations between COSPAR and the IAU helped to coordinate the scientific programmes of the XXXth COSPAR Scientific Assembly and the XXIInd IAU General Assembly, both in 1994.

The IAU representatives to other international organisations are listed below.

IAU representatives to ICSU and other International Organizations 1994-1997

Acronyms	Organisations	Representatives
ICSU	International Council of Scientific Unions General Committee	<i>J. Andersen</i>
BIPM	Bureau International des Poids et Mesures	<i>G. Winkler</i>
CCDS	International Consultative Committee for the Definition of the Second	-
CCDS WG	Application of General Relativity to Metrology	<i>T. Fukushima</i>
CCIR	International Radio Consultative Committee Study Group 2	<i>J. Whiteoak/ A.R. Thompson</i>
CIE	Compagnie Internationale de l'Eclairage	<i>S. Isobe</i>
CODATA	Committee on Data for Science & Technology	<i>E. Raymond</i>
COSPAR	Committee on Space Research COSPAR SC B COSPAR SC D COSPAR SC E COSPAR Sub. Committee E1 COSPAR Sub. Committee E2	<i>I. Appenzeller C. de Bergh F. Verheest W. Wamsteker R. Sunyaev O. Engvold</i>
COSTED	Committee on Science & Technology in Developing Countries	<i>I. Appenzeller</i>
CTS	Committee on the Teaching of Science	<i>J. Pasachoff</i>
FAGS	Federation of Astronomical & Geophysical Services	<i>P. Pâquet/J. Kovalevsky</i>
IAF	International Astronautical Federation	<i>Y. Kondo</i>
IERS	International Earth Rotation Service	<i>B. Kolaczek</i>
IGBP	International Geosphere-Ionosphere Programme	<i>J. Eddy</i>
IUCAF	Inter-Union Commission on Frequency Allocation for Radio Astronomy & Space Science	<i>B.A. Doubinsky M. Ishiguro R. Sinha A.R. Thompson</i>
IUPAP	International Union of Pure & Applied Physics	<i>V. Trimble</i>
IUWDS	International Ursigram & World Day Service	<i>H. Coffey</i>
QBSA	Quarterly Bulletin on Solar Activity	<i>P. Lantos</i>
SCOPE	Scientific Committee on Problems of Environment	<i>D. McNally</i>
SCOSTEP	Scientific Committee on Solar-Terrestrial Physics	<i>B. Schmieder</i>
URSI	Union Radio-Scientifique Internationale	<i>R. Ekers</i>
WMO	World Meteorological Union	<i>G. Wallerstein</i>

2. Scientific Matters

SCIENTIFIC MEETINGS 1994-1997

During the triennium reported on here, 20 Symposia, 18 Colloquia, 2 Regional Astronomy Meetings, and 2 Technical Workshops were held. The Union also co-sponsored 3 meetings with other international Unions and ICSU bodies. These meetings are listed below.

The Executive Committee decided to raise the amount of travel support awarded to IAU sponsored meetings, effective from 1996, to 25.000 CHF for Symposia and Regional Meetings, 16.000 CHF for Colloquia, and 3-5.000 CHF to Co-Sponsored Meetings according to the circumstances of each case.

A new edition of the Rules for IAU Sponsored Scientific Meetings was prepared by the Assistant General Secretary. They are published in Chapter VIII of this volume.

IAU Symposia:

- 170 ***Co: Twenty-five Years of Millimetre-Wave Spectroscopy***
Tucson, AZ, USA, May 29 - June 2, 1995
- 171 ***New Light on Galaxy Evolution***
Heidelberg, F.R. Germany, June 26-30, 1995
- 172 ***Dynamics, Ephemerides and Astrometry of the Solar System***
Paris, July 3-8, 1996
- 173 ***Astrophysical Applications of Gravitational Lensing***
Melbourne, Australia, July 9-14, 1995
- 174 ***Dynamical Evolution of Star Clusters – Confrontation of Theory and Observations-***
Tokyo, Japan, August 22-25, 1995
- 175 ***Extragalactic Radio Sources***
Bologna, Italy, October 10-14, 1995
- 176 ***Stellar Surface Structure***
Wien, Austria, October 9-13, 1995
- 177 ***The Carbon Phenomenon***
Antalya, Turkey, May 27-31, 1996
- 178 ***Molecules in Astrophysics: Probes and Processes***
Leiden, Netherlands, July 1-5, 1996,
- 179 ***New Horizons from Multi-Wavelength Sky Surveys***
Baltimore, USA, August 26 - 30, 1996
- 180 ***Planetary Nebulae***
Groningen, The Netherlands, August 26-30, 1996
- 181 ***Sounding Solar and Stellar Interiors***
Nice, France, September 30 - October 3, 1996,
- 182 ***Herbi-Haro Flows and the Birth of Low-Mass Stars***
Chamonix, France, January 20-26, 1997
- 183 ***Cosmological Parameters and the Evolution of the Universe***
Kyoto, Japan, August 18-22, 1997
- 184 ***The Central Regions of the Galaxy and Galaxies***
Kyoto, Japan, August 18-22, 1997
- 185 ***New Eyes to See Inside the Sun and the Stars: Pushing the Limits of Helio and Astro-***
Seismology with New Observations from the Ground and from Space
Kyoto, Japan, August 18-22, 1997
- 186 ***Galaxy Interactions at High and Low Redshift***
Kyoto, Japan, August 18-22, 1997
- 187 ***Cosmic Chemical Evolution***
Kyoto, Japan, August 26-30, 1997
- 188 ***The Hot Universe***
Kyoto, Japan, August 26-30, 1997
- 189 ***Fundamental Stellar Properties: The Interaction Between Observation and Theory***
Sydney, Australia, January 13-17, 1997

IAU Colloquia:

- 150 ***Physics, Chemistry, and Dynamics of Interplanetary Dust***
Gainesville, FL, USA, August 14-18, 1995
- 151 ***Flares and Flashes – Views from the Ground and from Space***
Sonneberg, Germany, December 5-9, 1994
- 152 ***Astrophysics in the Extreme Ultraviolet***
Berkeley, CA, USA, March 27-30, 1995
- 153 ***Magnetodynamic Phenomena in the Solar Atmosphere***
Makuhari, Tokyo, Japan, May 22-27, 1995
- 154 ***Solar and Interplanetary Transients***
Pune, India, January 23-27, 1995
- 155 ***Astrophysical Applications of Stellar Pulsation***
Cape Town, South Africa, February 6-10, 1995
- 156 ***The Impact of Comet Shoemaker-Levy 9 on Jupiter***
Baltimore, MD, USA, May 9-12, 1995
- 157 ***Barred Galaxies***
Tuscaloosa, AL, USA, May 30 - June 3, 1995
- 158 ***Cataclysmic Variables and Related Objects***
Keele, UK, June 25-30, 1995
- 159 ***Emission Lines in Active Galaxies: New Methods and Techniques***
Shanghai, China, June 17-20, 1996
- 160 ***Pulsars: Problems and Progress***
Sydney, Australia, January 8-12, 1996
- 161 ***Astronomical and Biochemical Origins and the Search for Life in the Universe***
Capri, Italy, July 1-5, 1996
- 162 ***New Trends in Astronomy Teaching***
London and Milton Keynes, UK, July 8-12, 1996
- 163 ***Accretion Phenomena and Related Outflows***
Port Douglas, Australia, July 15-19, 1996
- 164 ***Radio Emission from Galactic and Extragalactic Compact Sources***
Socorro, New Mexico, USA, April 28 - May 2, 1997
- 165 ***Dynamics and Astrometry of Natural and Artificial Celestial Bodies***
Poznan, Poland, July 1-5, 1996
- 166 ***The Local Bubble and Beyond***
Garching b. München, Germany, April 21-25, 1997
- 167 ***New Perspectives of Solar Prominences***
Aussois, France, April 28 - May 4, 1997

IAU Regional Astronomy Meetings

- VIIIth Latin-American Regional Astronomy Meeting***
Montevideo, Uruguay, November 27 - December 1, 1996
- VIIIth Asian-Pacific Regional Astronomy Meeting***
Pusan, Korea, August 19-23, 1996

IAU Technical Workshops

- Library and Information Services in Astronomy (LISA II)***
Garching b. München, May 10-12, 1995
- Statistical Challenges in Modern Astronomy II***
University Park, PA, USA, June 2-5, 1996

Co-Sponsored Meetings

- Commsphere 95 (URSI, IAU)***
Eilat, Israel, January 22-27, 1995
- 31st COSPAR Scientific Assembly (COSPAR, IAU)***
Birmingham, UK, July 14-21, 1996

Third SOLTIP Symposium on Solar Transient and Interplanetary Regions
(SCOSTEP, COSPAR, IAU)
Beijing, China, October 14-18, 1996

IAU PUBLICATIONS

Since the expiring date of the IAU publishing contract with Kluwer Academic Publishers was December 31st, 1997, the EC issued a call for tenders for a new contract early in 1996. From four bids received by the General Secretary, the EC selected the Astronomical Society of the Pacific (ASP) as the new IAU Publisher for the period 1998 - 2003, and a six-year contract with the ASP has been signed accordingly. It has been agreed that Kluwer will publish the Proceedings of all IAU meetings held through the end of 1997, while the ASP will handle all meetings held from the beginning of 1998.

The publications that have appeared by or under the auspices of the IAU during the reporting period are listed below. Except for the Colloquium Proceedings, these were published by the IAU Publisher, Kluwer Academic Publishers, Dordrecht, The Netherlands.

IAU Information Bulletin:

Seven issues, No. 74-80

IAU Transactions XXII B

Proceedings of the Twenty-Second General Assembly
Ed. I. Appenzeller, 1995

IAU Transactions XXIII A

Reports on Astronomy
Ed. I. Appenzeller, 1997

Highlights of Astronomy, Vol. 10

Ed. I. Appenzeller, 1995

Membership List 1994/1997

IAU Symposium Proceedings:

- 160 **Asteroids, Comets, Meteors 1993**
Eds. A. Milani, M. di Martino & A. Cellino
- 161 **Astronomy from Wide-Field Imaging**
Eds. H.T. MacGillivray, E.B. Thomson, B.M. Lasker, I.N. Reid, D.F. Malin, R.M. West & H. Lorenz
- 162 **Pulsation, Rotation and Mass Loss in Early-Type Stars**
Eds. L.A. Balona, H.F. Henrichs & J.M. Le Contel
- 163 **Wolf-Rayet Stars: Binaries, Colliding Winds, Evolution**
Eds. K.A. van der Hucht & P.M. Williams
- 164 **Stellar Populations**
Eds. P.C. van der Kruit & G. Gilmore
- 165 **Compact Stars in Binaries**
Eds. J. van Paradijs, E.P.J. van den Heuvel & E. Kuulkers
- 166 **Astronomical and Astrophysical Objectives of Sub-Milliarcsecond Optical Astrometry**
Eds. E. Høg & P.K. Seidelmann
- 167 **New Developments in Array Technology and Applications**
Eds. A.G. Davis Philip, K.A. Janes & A.R. Upgren
- 168 **Examining the Big Bang and Diffuse Background Radiations**
Eds. M. Kafatos & Y. Kondo
- 169 **Unsolved Problems of the Milky Way**
Eds. L. Blitz & P. Teuben
- 170 **CO: Twenty-Five Years of Millimetre-wave Spectroscopy**
Eds. W.B. Latter, S.J.E. Radford, P.R. Jewell, J.G. Mangum & J. Bally
- 171 **New Light on Galaxy Evolution**
Eds. R. Bender & R.L. Davies

- 172 ***Dynamics, Ephemerides & Astrometry of the Solar System***
Eds. S. Ferraz-Mello & J.-E. Arlot
- 173 ***Astrophysical Applications of Gravitational Lensing***
Eds. C.S. Kochanek & J.N. Hewitt
- 174 ***Dynamical Evolution of Star Clusters - Confrontation of Theory and Observations***
Eds. P. Hut & J. Makino
- 175 ***Extragalactic Radio Sources***
Eds. R. Ekers, C. Fanti & L. Padrielli
- 176 ***Stellar Surface Structure***
Eds. K.G. Strassmeier & J.L. Linsky
- 178 ***Molecules in Astrophysics: Probes and Processes***
Ed. E.F. van Dishoeck

IAU Colloquium Proceedings:

- 145 ***Supernovae and Supernova Remnants***
Eds. R. McCray & Z. Wang
Cambridge Univ. Press, 1996
- 146 ***Molecular Opacities in the Stellar Environment***
Ed. U.G. Jørgensen
Springer-Verlag, 1994
- 147 ***The Equation of State in Astrophysics***
Eds. G. Chabrier & E. Schatzman
Cambridge Univ. Press, 1994
- 148 ***Future Utilization of Schmidt Telescopes***
Eds. J. Chapman, R. Cannon, S. Harrison & B. Hidayat
ASP Conf. Ser. Vol. 84, 1995
- 149 ***Tridimensional Optical Spectroscopic Methods in Astrophysics***
Eds. G. Comte & M. Marcelin
ASP Conf. Ser. Vol. 71, I 1995
- 150 ***Physics, Chemistry, and Dynamics of Interplanetary Dust***
Eds. B.Å.S. Gustafson & M.S. Hanner
ASP Conf. Ser. Vol. 104, 1996
- 151 ***Flares and Flashes – Views from the Ground and from Space***
Eds. J. Greiner, H.W. Duerbeck & R.E. Gershberg
Springer-Verlag, 1994
- 152 ***Astrophysics in the Extreme Ultraviolet***
Eds. S. Bowyer & R.F. Malina
Kluwer Acad. Publ., 1996
- 153 ***Magnetodynamic Phenomena in the Solar Atmosphere***
Eds. Y. Uchida, T. Kosugi & H.S. Hudson
Kluwer Acad. Publ., 1996
- 154 ***Solar and Interplanetary Transients***
Eds. S. Ananthkrishnan & A. Pramesh Rao
Kluwer Acad. Publ., 1996
- 155 ***Astrophysical Applications of Stellar Pulsation***
Eds. R.S. Stobie & P.A. Whitelock
ASP Conf. Ser. Vol. 83, 1995
- 156 ***The Impact of Comet Shoemaker–Levy 9 on Jupiter***
Ed. K.S. Noll
Cambridge Univ. Press, 1996
- 157 ***Barred Galaxies***
Eds. R. Buta, D.A. Crocker & B.G. Elmegreen
ASP Conf. Ser. Vol. 91, 1996
- 158 ***Cataclysmic Variables and Related Outflows***
Eds. A. Evans & J.H. Wood
Kluwer Acad. Publ., 1996

- 159 ***Emission Lines in Active Galaxies: New Methods and Techniques***
Eds: B.M. Peterson, F.-Z. Cheng & A.S. Wilson
ASP Conf. Ser. Vol. 113, 1997
- 160 ***Pulsars: Problems and Progress***
Eds: M. Bailes, S. Johnston & M.A. Walker
ASP Conf. Ser. Vol. 105, 1996
- 161 ***Astronomical and Biochemical Origins and the Search for Life in the Universe***
Eds: C.S. Cosmoviçi, S. Bowyer & D. Werthimer
Editrice Compositori, Bologna, 1997
- 163 ***Accretion Phenomena and Related Outflows***
Eds: D.T. Wickramasinghe, G. Bicknell & L. Ferrario
ASP Conf. Ser. Vol. 121, 1997
- 165 ***Dynamics and Astrometry of Natural and Artificial Celestial Bodies***
Eds: I. Wytrzyszczak, J.H. Lieske & R.A. Feldman
Kluwer Acad. Publ., 1997

Proceedings of IAU Regional Meetings:

Proceedings of the VIIIth Latin-American Regional Astronomy Meeting
Rev. Mexicana de Astronomía y Astrofísica, Ser de Conf., Vol. 4, 1996

Proceedings of the VIIth Asian-Pacific Regional Astronomy Meeting
Journal of the Astronomical Society of Korea, Vol. 29, Supplement, 1996

3. Financial Matters**Budget 1994-1996 & 1997 approved at previous General Assemblies (CHF)**

INCOME	1994	1995	1996	1994-96	1997
Unit of contribution	2580	2660	2740		2820
Number of units of contribution	248	254	254		254
ADHERING ORGANIZATIONS	639840	675640	695960	2011440	716280
SPECIAL CONTRIBUTIONS					
ICSU/UNESCO					
ICSU: General					
UNESCO: General	30300	34000	37000	101300	40000
ICSU/AEI					
UNESCO/AEI					
COSPAR/AEI					
PUBLICATIONS: ROYALTIES	62000	68000	68000	198000	68000
BANK INTEREST					
Current accounts					
Deposit accounts	25000	25000	25000	75000	25000
Saving accounts					
Money market					
TOTAL INCOME	757140	802640	825960	2385740	849280

Budget 1994-1996 & 1997 approved at previous General Assemblies (CHF)

EXPENDITURE	1994	1995	1996	1994-96	1997
SCIENTIFIC ACTIVITIES					
General Assembly					
Grants					167000
Commission Presidents					40000
Staff	275000			275000	18000
Operation		9000	9000	18000	30000
Executive Committee					80000
Meetings					
Symposia/Colloquia	143000	206000	213000	562000	220000
Regional Meetings		22000	22000	44000	
Research projects					
ISYA (46)		45000	45000	90000	
VLP (46)	28000	15000	15000	58000	15000
EC WGs	5000	18000	18000	41000	18000
Exchange of Astromers (38)	26000	30000	30000	86000	30000
Others	1500			1500	
Commission Activities					
Telegram Bureau (06)	3700	4000	4000	11700	4000
Minor Planet Center (20)	3700			3700	
Meteor Data Center (22)	1100			1100	
Variable Star Catalogue (27)	3700			3700	
Astronomy Teaching (46)	5000	5000	5000	15000	5000
Commission WGs	2000	18000	18000	38000	18000
Delegates to other Unions					
	9000	10000	10000	29000	10000
Total	506700	382000	389000	1277700	655000
DUES TO UNIONS/ORGANIZATIONS					
ICSU	22400	16900	17400	56700	18000
IERS/FAGS	7000	7000	7000	21000	7500
IUCAF	7500	7500	7500	22500	7500
CTS	600	600	600	1800	600
GLOBMET	1500			1500	
Total	39000	32000	32500	103500	33600

Budget 1994-1996 & 1997 approved at previous General Assemblies (CHF)**EXPENDITURE (ctd)**

	1994	1995	1996	1994-96	1997
EXECUTIVE COMMITTEE					
Executive cttee meetings		40000	41200	81200	
Officers meetings	8000	5000	5200	18200	5400
General Secretary expenditure	13500	22000	22700	58200	23400
President expenses	7000	7000	7000	21000	7000
Assist General Secretary expenses	4250	3000	3000	10250	3000
Local help to As General Secretary	1250			1250	
Total	34000	77000	79100	190100	38800
PUBLICATIONS					
Information Bulletin	24000	40000	42000	106000	44000
Distr. Devel. Countries	12000	12000	12000	36000	13000
Distr. Exec. Committee	5000	5000	5000	15000	5500
Other Publications	25000			25000	
Total	66000	57000	59000	182000	62500
ADMINISTRATION/SECRETARIAT					
Salaries & Charges	149000	153400	158000	#REF!	162800
Training courses	3000	4000	4000	11000	4500
General office expenses:	66000	68000	70000	204000	72000
Audit fee	3500	3000	3100	9600	3200
Bank					
Charges on internal account transfers	2500			2500	
Bank charges	1450	2000	2000	5450	2500
Commissions on deposits		4000	4000	8000	4500
Total	225450	234400	241100	700950	249500
TOTAL EXPENDITURE	871150	782400	800700	2454250	1039400

Excess/Loss of Income over Expenditure

-114010	20240	25260	-68510	-190120
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1994-1996 Statement of income (CHF)

	1991-1993	1994	1995	1996	1994-1996
ADHERING ORGANIZATIONS	<i>1728100</i>	<i>619862</i>	<i>647150</i>	<i>562835</i>	<i>1829847</i>
SPECIAL CONTRIBUTIONS	<i>176300</i>	<i>184166</i>	<i>2122</i>	<i>22451</i>	<i>208739</i>
ICSU/UNESCO					
ICSU: General	<i>26090</i>	<i>11880</i>		<i>15480</i>	<i>27360</i>
UNESCO: General	<i>67926</i>	<i>17424</i>		<i>13416</i>	<i>30840</i>
ICSU/AEI	<i>20108</i>				
UNESCO/AEI	<i>36886</i>		<i>5800</i>		<i>5800</i>
COSPAR/AEI	<i>720</i>				
Total	<i>151730</i>	<i>29304</i>	<i>5800</i>	<i>28896</i>	<i>64000</i>
PUBLICATIONS: ROYALTIES	<i>193544</i>	<i>64114</i>	<i>62803</i>	<i>63750</i>	<i>190667</i>
BANK INTERESTS					
Current accounts	<i>2511</i>	<i>109</i>	<i>197</i>	<i>43</i>	<i>349</i>
Deposit accounts	<i>117283</i>	<i>17279</i>	<i>23473</i>	<i>6957</i>	<i>47709</i>
Saving accounts	<i>1109</i>				
Money market	<i>35305</i>	<i>20706</i>	<i>11327</i>	<i>11660</i>	<i>43693</i>
Total	<i>156210</i>	<i>38094</i>	<i>34997</i>	<i>18660</i>	<i>91751</i>
OTHER INCOME					
Refund grants	<i>2207</i>	<i>6467</i>			<i>6467</i>
Refunds SPM/CQM	<i>7496</i>				
Refunds bank	<i>509</i>				
Refund Union representation	<i>4415</i>				
Gain on exchange 1 Jan current year	<i>9039</i>			<i>35404</i>	<i>35404</i>
Gain on internal transfers	<i>4891</i>	<i>1503</i>	<i>2</i>	<i>6310</i>	<i>7815</i>
Total	<i>28557</i>	<i>7970</i>	<i>2</i>	<i>41714</i>	<i>49686</i>
TOTAL INCOME	<i>2434443</i>	<i>943510</i>	<i>752874</i>	<i>738306</i>	<i>2434690</i>

1994-1996 Statement of expenditure (CHF)

	1991-1993	1994	1995	1996	1994-1996
SCIENTIFIC ACTIVITIES					
<i>General Assembly</i>					
Grants (XXI)	132685				
Grants (XXII)	31040	402321			402321
Commission Presidents	48687	22997			22997
Staff	19423	2688			2688
Operation (XXI)	17218				
Operation (XXII)	9293	15448	163		15611
Operation (XXIII)			2124		2124
Operation (XXIV)		579	2533		3112
Executive Committee	81848	79101			79101
<i>Meetings</i>					
Symposia/Colloquia	409398	85000	225994	256193	567187
Co-sponsored Meetings	45658	12923	2727	8000	23650
Regional Meetings	43156		24123	25000	49123
AEI IAU/UNESCO meeting	60420				
Other meetings		15036	142	3000	18178
<i>Research projects</i>					
ISYA (46)	65792	31138	25183		56321
VLP/TAD (46)	6094	1839		21418	23257
EC WGs	18930	1207	10517	14242	25966
Exchange of Astronomers (38)	39513	17456	15752	17481	50689
Archives			2301	15355	17656
Others	9636				
<i>Commission Activities</i>					
Telegram Bureau (06)	17727	3270		4000	7270
Minor Planet Center (20)	7300	3372			3372
Meteor Data Center (22)	6425	1100	1000	1000	3100
Variable Star Catalogue (27)	7300	3728			3728
Astronomy Teaching (46)	10593	2047			2047
Commission WGs (20)	11124		5494	831	6325
Others	1878				
<i>Representation to other Unions</i>	10536	7341	8287	9119	24747
Total	1111681	708591	326340	375639	1410570
DUES TO UNIONS /ORGANIZATIONS					
ICSU	67706	11290	10543	12144	33977
IERS/FAGS	19915	7000	7000	7000	21000
IUCAF	23389	7500	7500	7500	22500
CTS	1768				
Total	112778	25790	25043	26644	77477

1994-1996 Statement of expenditure (CHF) ctd

	1991-1993	1994	1995	1996	1994-1996
EXECUTIVE COMMITTEE					
Executive cttee meetings	79525	507	35137	37319	72963
Officers meetings	12698	5222	2215	4430	11867
SNC expenditure	8104				
General Secretary expenditure	12969	9046	19044	18060	46150
Representation	5167	971	1851		2822
President expenses	1792				
Total	120258	15746	58247	59809	133802
PUBLICATIONS					
Information Bulletin	167850	23319	21118	41156	85593
Free Distribution	20909	27854	22733	34561	85148
IAU History	6662	3666			3666
Total	195421	54839	43851	75717	174407
ADMINISTRATION/SECRETARIAT					
<i>Salaries</i>					
Salaries & Charges	466865	145841	133981	161627	441449
Training courses	3368	2997	1693	1569	6259
<i>General office expenses</i>					
Leasing telex	4021				
Mail	19976	12510	4689	6892	24091
Telephone	31772	14814	12575	14236	41625
Telex	9041				
Office supplies	37208	10467	7557	11731	29755
Rental (INSU/IAP)	5817	5180	10328	4500	20008
Furniture	23051	4347	12513	274	17134
Computers	9920	18387	13760	18641	50788
<i>Audit fee</i>	7156	2332	741	1964	5037
<i>Bank</i>					
Loss on exchange 1 January of the year	3864	30858	42478		73336
Loss on internal transfers	30612	1003	1293		2296
Charges on internal transfers	735	529	486	87	1102
Bank charges	9045	2383	2130	2724	7237
Commissions on deposits	10377	2675	3293	4259	10227
Total	672828	254323	247517	228504	730344
ECLIPSE USSR (special account)	33379				
TOTAL EXPENDITURE	2246347	1059289	700998	766313	2526600
Excess of Income over Expenditure	188095	-115780	51877	-28007	-91910

Proposed budget 1998-2000 (CHF)

Notes in connection with the 1998-2000 proposed budget:

An allowance for inflation of 2% for 1998, 2.5% for 1999 and 3% for 2000 has been made
The royalties from IAU publications have been reduced in order to allow lower selling prices
for the IAU books.

INCOME	BUDGET*	PROPOSED BUDGET			TOTAL
	1997	1998	1999	2000	98-2000
Unit of contribution	2820	2880	2950	3040	
Number of units of contribution	254	254	254	254	
ADHERING ORGANIZATIONS	<i>716280</i>	<i>731520</i>	<i>749300</i>	<i>772160</i>	<i>2252980</i>
SPECIAL CONTRIBUTIONS					
ICSU/UNESCO	<i>40000</i>	<i>40000</i>	<i>40000</i>	<i>40000</i>	<i>120000</i>
PUBLICATIONS: ROYALTIES	<i>68000</i>	<i>30000</i>	<i>30000</i>	<i>30000</i>	<i>90000</i>
BANK INTEREST	<i>25000</i>	<i>15000</i>	<i>15000</i>	<i>15000</i>	<i>45000</i>
OTHER INCOME					
TOTAL INCOME	<i>849280</i>	<i>816520</i>	<i>834300</i>	<i>857160</i>	<i>2507980</i>

(*) 1997 budget as approved at the XXIIInd General Assembly

1998-2000 proposed budget (CHF)

EXPENDITURE	BUDGET*	PROPOSED BUDGET			TOTAL
	1997	1998	1999	2000	98-2000
SCIENTIFIC ACTIVITIES					
General Assembly					
Grants	167000			180000	180000
Commission Presidents	40000			40000	40000
Staff	18000			15000	15000
Operation	30000	5000	5000	30000	40000
Executive Committee	80000			65000	65000
Meetings					
Symposia/Colloquia	220000	250000	256000	264000	770000
Regional Meetings		25000	25000		50000
Research Projects					
ISYA (46)		30000	30000		60000
TAD (46)	15000	30000	30000	30000	90000
EC WGs	18000	18000	18000	18000	54000
Exchange of Astronomers (38)	30000	25000	25000	25000	75000
Commission Activities					
Telegram Bureau (06)	4000	4000	4000	4000	12000
Meteor Data Center (22)	1100	1100	1100	1100	3300
Astronomy Teaching (46)	5000	5000	5000	5000	15000
Commission WGs	18000	15000	15000	15000	45000
Delegates to other Unions					
	10000	10000	10000	10000	30000
Total SCIENTIFIC ACTIVITIES	655000	418100	424100	702100	1544300
DUES TO UNIONS/ORGANIZATIONS					
ICSU	18000	16000	16500	17000	49500
IERS/FAGS	7500	7500	7500	7500	22500
IUCAF	7500	7500	7500	7500	22500
CTS	600				
Total DUES TO UNIONS/ORGANIZATION	33600	31000	31500	32000	94500

(*) 1997 budget as approved at the XXIInd General Assembly

1998-2000 proposed budget (CHF)

EXPENDITURE (ctd)	BUDGET*	PROPOSED BUDGET			TOTAL
	1997	1998	1999	2000	98-2000
EXECUTIVE COMMITTEE					
Executive cttee meetings		35000	36000		71000
Officers meetings	5400	5000	5100	5200	15300
General Secretary expenditure	23400	26000	26500	27500	80000
President expenses	7000	3500	3500	3500	10500
Assist General Secretary expenses	3000	3000	3000	3000	9000
Total EXECUTIVE COMMITTEE	38800	72500	74100	39200	185800
PUBLICATIONS					
Information Bulletin	44000	32000	33000	34000	99000
Free Distribution	18500	19000	19000	19000	57000
Total PUBLICATIONS	62500	51000	52000	53000	156000
ADMINISTRATION/SECRETARIAT					
Salaries & Charges	162800	155000	159000	164000	478000
Training courses	4500	4500	4500	4500	13500
General office expenses: Mail, Telephone, Office supplies, Rental (INSU/IAP), Furniture, Computers	72000	70000	70000	72000	212000
Audit fee	3200	2000	2000	2000	6000
Bank: Loss on exchange Loss on internal transfers					
Bank charges	2500	3000	3000	4000	10000
Commissions on deposits	4500	4000	4000	4500	12500
Total ADMINISTRATION/SECRETARIAT	249500	238500	242500	251000	732000
TOTAL EXPENDITURE	1039400	811100	824200	1077300	2712600
Excess/Loss of Income over Expenditure	-190120	5420	10100	-220140	-204620

(*) 1997 budget as approved at the XXIInd General Assembly