

PART 4

ASTRONOMER'S HANDBOOK

ASTRONOMER'S HANDBOOK

IAU Transactions XIIC, 1967, was the first IAU Astronomer's Handbook. Subsequently, Volumes XIIIIB, XIVB, XVb and XVIB have contained items for updating. Pending the reproduction of the whole "Handbook", the practice is continued here of indicating additions and changes to the former sections.

I. SHORT HISTORY OF THE INTERNATIONAL ASTRONOMICAL UNION

Table 2 (Volume XIIC *et seq*) should be supplemented as follows:

Add: XVIIth General Assembly, 1979, Montreal, P.Q., Canada
Members of the Union, after the General Assembly 4 513
Participants (1163 Members) 1 965
Number of Adhering Countries 49
Number of Commissions 39
Volume of Transactions XVIIA (Parts 1, 2 and 3) pp. xxi + 697
XVIIIB

Highlights of Astronomy Volume 5, 1979

President:	M.K.V. Bappu	1979-1982
General Secretary:	P.A. Wayman	1979-1982
Assistant General Secretary:	R.M. West	1979-1982
Vice-Presidents:	M.W. Feast	1979-1985
	L. Kresak	1979-1985
	R. Wilson	1979-1985

II. ADMINISTRATION AND FINANCES OF THE UNION

A. Administration

The address of the General Secretary is:

Professor P.A. Wayman
IAU Secretariat
61, avenue de l'Observatoire
F-75014 Paris
France

The Secretariat consists of:

IAU Secretary:	Mme B. Manning
Typist/Assistant:	Ms. P. Smiley

with office address: IAU Secretariat, 61, avenue de l'Observatoire, F-75014 Paris, France.

The address of the Assistant General Secretary is:

Dr R.M. West
Sky Atlas Laboratory
ESO, c/o CERN
CH-1211 Genève 23
Switzerland

or, from September 1980:

Dr R.M. West
 ESO
 Karlsehwartzschild Str. 2
 D. 8046 Garching.b. München
 Germany, F.R.

(Enquiries concerning Symposia and Colloquia are directed to the Assistant General Secretary.)

B. FINANCES

The XVIIth General Assembly resolved that the unit of contribution payable by Adhering Countries to the IAU be 1 465.00 Swiss Francs for the years 1980, 1981 and 1982.

III. THE INTERNATIONAL SCIENTIFIC UNIONS

A. THE INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS

The ICSU Yearbook contains information for each year concerning IAU participation in ICSU Committees and scientific working groups, etc. This should be consulted for all current information on ICSU unions and committees.

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

B. IAU REPRESENTATION ON SCIENTIFIC AND SPECIAL COMMITTEES OF ICSU

- | | |
|---|------------------------|
| 1. Committee on Space Research (COSPAR): | P.A. Wayman |
| 2. ICSU Abstracting Board (ICSU-AB): | W.D. Heintz |
| 3. Federation of Astronomical and Geophysical Services (FAGS) | H. Enslin and V. Bumba |

FAGS Services Representatives:

- | | |
|--|------------------------|
| a) Bureau International de l'Heure (BIH): | A. Orte and H.M. Smith |
| b) International Polar Motion Service (IPMS): | K. Yokoyama |
| c) International Ursigram and World Day Service (IUWDS): | V. Bumba |
| 4. Scientific Committee for Solar Terrestrial Physics (SCOSTEP): | M.R. Kundu |

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): R. Schilizzi and G. Westerhout
2. Inter-Union Commission for Science Teaching (CTS): L. Houziaux
3. Committee for Data on Science and Technology (CODATA): B. Hauck
4. Inter-Union Commission on Spectroscopy (IUCS): B. Edlén, J.G. Phillips, M.J. Seaton
5. Committee on Science and Technology in Developing Countries (COSTED): L. Houziaux
6. Scientific Committee on Problems of the Environment (SCOPE): F. Graham Smith

D. IAU REPRESENTATION IN OTHER ORGANIZATIONS

1. Comité Consultatif pour la Définition de la Seconde (CCDS): W. Markowitz
2. Comité Consultatif pour la Définition du Mètre (CCDM): A.H. Cook

3. International Radio Consultative Committee (CCIR): L.H. Doherty,
B.J. Robinson, H.M. Smith
4. European Physical Society Meetings Conference: R.M. West

IV. SERVICES AND FUNCTIONS OF THE IAU

This Section is to be found in full on pp.17-38 of *IAU Transactions XIIC*, 1966, with changes as follows:

<i>IAU Transactions</i>	XIIIB	1969	pp.235-236	\$D.
"	"	XIVB	1971, p. 253	---
"	"	XVB	1973, pp. 187-191	\$D.
"	"	XVIB	1977, p. 375	---

The following change is now made:

§B.4 *The Minor Planet Center* (project supported by Commission 20)

Dr Paul Herget of the Cincinnati Observatory, on his retirement as Director on 30 June 1978, relinquished his direction of the Minor Planet Center. The Center was removed to the Smithsonian Institution Astrophysical Observatory, Cambridge, Massachusetts, U.S.A., where it operates under the direction of Dr Brian G. Marsden. The Assistant Director of the Center is Mr Conrad Bardwell, who has assisted with the work since 1958.

The Minor Planet Circulars are now published from Cambridge on a monthly basis. It is now practicable to include a certain amount of data on comets.

The file of observations from Cincinnati, consisting of 190,000 observations, is being maintained and continued at Cambridge.

§D. *The Central Bureau for Astronomical Telegrams*, Smithsonian Institution, Astrophysical Observatory.

The Bureau now operates a full service with communication equipment. Messages can be received at any time by TWX number 710-320-6842, answerback ASTROGRAM CAM.

V. PUBLICATIONS OF THE INTERNATIONAL ASTRONOMICAL UNION

Lists of IAU Publications have been published in the IAU Information Bulletin as follows:

- No. 38, June 1977, pp. 18-23
- No. 39, January 1978, p. 41
- No. 40, June 1978, pp. 18-20
- No. 41, January 1979, p. 32
- No. 42, June 1979, pp. 56-58
- No. 43, January 1980, pp. 49-50
- No. 44, June 1980, pp. 26-27

A list also appears in the 1976-78 Report of the Executive Committee, Appendix III of this volume.

VI. SYMPOSIA OF THE INTERNATIONAL ASTRONOMICAL UNION

Details of IAU Symposia and other IAU scientific meetings are reported in successive issues of the IAU Information Bulletin and are also reported in the Report of the Executive Committee, Appendix III of this volume.

VII. EXECUTIVE COMMITTEE 1979-1982

President

Professor M.K.V. Bappu
 Indian Institute of Astrophysics
 Bangalore 560 034, India

Vice-Presidents

Dr M.W. Feast
 South African Astronomical Observatory
 P.O. Box 9, Observatory, Cape 7935
 South Africa

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

Academician E.K. Kharadze
 Astrophysical Observatory
 Mt. Canobili, Abastumani 383762
 Georgia, U.S.S.R.

Dr L. Kresak
 Astronomical Institute, Slovak Academy of Sciences
 899 30 Bratislava, Czechoslovakia

Professor S. van den Bergh
 Dominion Astrophysical Observatory
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 Victoria, B.C., V8V 3X3, Canada

Professor R. Wilson
 Department of Physics and Astronomy
 University College of London
 Gower Street, London WC1E 6BT, U.K.

General Secretary

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

Assistant General Secretary

Dr R.M. West
 ESO c/o CERN
 CH-1211 Geneva 23
 Switzerland

from September 1980
 ESO
 Karlshwarzschild Str. 2
 D. 8046 Garching.b. München
 Germany, F.R.

Advisers to the Executive Committee

Professor A. Blaauw
 Sterrewacht, Postbus 9513
 2300 RA, Leiden, Netherlands

Professor Edith A. Müller
 Observatoire de Genève
 CH-1290 Sauverny (GE)
 Switzerland

STATUTS

I. DENOMINATION, BUTS ET DOMICILE

1. L'Union Astronomique Internationale (ci-après dénommée l'Union) est une organisation non-gouvernementale, qui a pour buts de:
 - (a) développer l'astronomie par la coopération internationale,
 - (b) encourager l'étude et le développement de l'astronomie sous tous ses aspects,
 - (c) servir et sauvegarder les intérêts de l'astronomie.
2. L'Union a son siège légal à Bruxelles.

II. AFFILIATION DE L'UNION

3. L'Union adhère au Conseil International des Unions Scientifiques.

III. MEMBRES DE L'UNION

4. L'Union a pour membres:
 - (a) des personnes morales (Pays adhérents)
 - (b) des membres individuels (Membres).

IV. ORGANISATIONS AFFILIEES

5. L'Union peut accepter l'affiliation d'organisations internationales non-gouvernementales qui contribuent au développement de l'astronomie.

V. PAYS ADHERENTS

6. Les pays adhèrent à l'Union

soit:

 - (a) par l'intermédiaire de l'organisation par laquelle ils adhèrent au Conseil International des Unions Scientifiques, ou par l'intermédiaire d'un Comité National d'Astronomie approuvé par cette organisation,

soit:

 - (b) s'ils n'adhèrent pas au Conseil International des Unions Scientifiques, par l'intermédiaire d'un Comité National d'Astronomie reconnu par le Comité Exécutif de l'Union.
 - (c) Les Organisations ou Comités mentionnés à l'article 6(a) et les Comités Nationaux d'Astronomie mentionnés à l'article 6(b) sont dénommés ci-après organismes adhérents.
7. L'adhésion d'un pays à l'Union est proposée par le Comité Exécutif et approuvée par l'Assemblée Générale; elle prend fin si le pays se retire de l'Union.
8. Les Pays Adhérents sont répartis en catégories. Le nombre des catégories est fixé par le Règlement. Un pays qui sollicite son adhésion indique la catégorie dans laquelle il désire être classé. La proposition peut être refusée par le Comité Exécutif si la catégorie est manifestement inadéquate.

INTERNATIONAL ASTRONOMICAL UNION

STATUTES

I. DENOMINATION, OBJECTS AND DOMICILE

1. The International Astronomical Union (referred to as the Union) is a non-governmental organization, whose objects are:
 - (a) to develop astronomy through international co-operation,
 - (b) to promote the study and development of astronomy in all aspects,
 - (c) to further and safeguard the interests of astronomy.
2. The legal domicile of the Union is Brussels.

II. ADHERENCE TO THE UNION

3. The Union adheres to the International Council of Scientific Unions.

III. COMPOSITION OF THE UNION

4. The Union is composed of:
 - (a) corporate members (Adhering Countries)
 - (b) individual members (Members).

IV. AFFILIATED ORGANIZATIONS

5. The Union may admit the affiliation of international non-governmental organizations which contribute to the development of astronomy.

V. ADHERING COUNTRIES

6. Countries adhere to the Union

either:

 - (a) through the organization by which they adhere to the International Council of Scientific Unions, or through a National Committee of Astronomy approved by that organization,

or

 - (b) if they do not adhere to the International Council of Scientific Unions, through a National Committee of Astronomy recognized by the Executive Committee of the Union.

(c) The Adhering Organizations and National Committees of Astronomy are referred to as adhering bodies.
7. Adherence of a country to the Union is approved, on the proposal of the Executive Committee, by the General Assembly; it terminates if the country withdraws from the Union.
8. Adhering Countries are classified in categories. The number of categories shall be specified in the By-laws. A country requesting adherence shall specify the category in which it desires to be classed. The specification may be declined by the Executive Committee if the category proposed is manifestly inadequate.

VI. MEMBRES

9. Les Membres sont admis dans l'Union par le Comité Exécutif, sur proposition de l'un des organismes adhérents mentionnés à l'article 6, en considération de leur activité dans une branche de l'astronomie.

VII. ASSEMBLEE GENERALE

10. (a) L'activité de l'Union est dirigée par l'Assemblée Générale des représentants des Pays Adhérents et des Membres. Chaque Pays Adhérent nomme un représentant autorisé à voter en son nom.
 (b) L'Assemblée Générale rédige un Règlement qui précise les modalités d'application des Statuts.
 (c) Elle nomme un Comité Exécutif chargé d'exécuter les décisions de l'Assemblée Générale, et d'administrer l'Union pendant la période séparant les réunions de deux Assemblées Générales ordinaires successives. Le Comité Exécutif rend compte de sa gestion à l'Assemblée Générale. L'Assemblée Générale, en acceptant le rapport du Comité Exécutif, le décharge de sa responsabilité.
11. (a) Sur les questions concernant l'administration de l'Union, sans implication budgétaire, le vote à l'Assemblée Générale a lieu par Pays Adhérent, chaque pays disposant d'une voix. Les Pays Adhérents qui ne sont pas à jour de leurs cotisations annuelles au 31 décembre de l'année précédant l'Assemblée Générale ne peuvent pas participer aux votes.
 (b) Sur les questions engageant le budget de l'Union, le vote a lieu de même par Pays Adhérent, dans les conditions et avec les réserves prévues à l'article 11(a), le nombre de voix de chaque Pays Adhérent étant égal à l'indice de sa catégorie, définie conformément à l'article 8, augmenté d'une unité.
 (c) Les Pays Adhérents peuvent voter par correspondance sur les questions figurant à l'ordre du jour de l'Assemblée Générale.
 (d) Un scrutin n'est valable que si au moins deux tiers des Pays Adhérents disposant du droit de vote en vertu de l'article 11(a) y prennent part.
12. Sur les questions scientifiques n'engageant pas le budget de l'Union, les Membres de l'Union disposent chacun d'une voix.
13. Sur toutes les questions prévues aux articles 11 et 12, les décisions sont prises à la majorité absolue des suffrages. Cependant, une décision de modification des Statuts n'est valable que si elle a été prise à la majorité des deux tiers des voix des Pays Adhérents qui disposent du droit de vote en vertu de l'article 11(a).
14. Une proposition de modification des Statuts ne peut être discutée que si elle figure, en tant que telle, à l'ordre du jour de l'Assemblée Générale.

VII. COMITE EXECUTIF

15. Le Comité Exécutif se compose du Président de l'Union, de six Vice-Présidents, du Secrétaire Général et du Secrétaire Général Adjoint, élus par l'Assemblée Générale sur la proposition du Comité Spécial des Nominations.

IX. COMMISSIONS DE L'UNION

16. L'Assemblée Générale crée des Commissions en vue d'assurer la réalisation des buts qu'elle se propose.

VI. MEMBERS

9. Members are admitted to the Union by the Executive Committee, on the proposal of an adhering body referred to in article 6, with regard to their achievements in some branch of astronomy.

VII. GENERAL ASSEMBLY

10. (a) The work of the Union is directed by the General Assembly of representatives of Adhering Countries and of Members. Each Adhering Country appoints a representative authorized to vote in its name.
(b) The General Assembly draws up By-laws governing the application of the Statutes.
(c) It appoints an Executive Committee to implement the decisions of the General Assembly, and to direct the affairs of the Union in the interval between meetings of two successive ordinary General Assemblies. The Executive Committee reports to the General Assembly. The General Assembly, in accepting the report of the Executive Committee, discharges it of liability.
11. (a) On questions concerning the administration of the Union, not involving its budget, voting at the General Assembly is by Adhering Country, each country having one vote. Adhering Countries which have not paid their annual contributions up to 31 December of the year preceding the General Assembly may not participate in the voting.
(b) On questions involving the budget of the Union, voting is similarly by Adhering Country, under the same conditions and with the same reservations as in article 11(a), the number of votes for each Adhering Country being one greater than the number of its category, as defined in article 8.
(c) Adhering Countries may vote by correspondence on questions on the agenda for the General Assembly.
(d) A vote is valid only if at least two thirds of the Adhering Countries having the right to vote by virtue of article 11(a) participate in it.
12. On scientific questions not involving the budget of the Union the Members of the Union each have one vote.
13. On all questions in articles 11 and 12, decisions are taken by an absolute majority of the votes cast. However, a decision to change the Statutes is only valid if taken with the approval of at least two thirds of the votes of the Adhering Countries having the right to vote by virtue of article 11(a).
14. A motion to change the Statutes can only be discussed if it appears, in specific terms, on the agenda for the General Assembly.

VIII. EXECUTIVE COMMITTEE

15. The Executive Committee consists of the President of the Union, six Vice-Presidents, the General Secretary and the Assistant General Secretary elected by the General Assembly on the proposal of a Special Nominating Committee.

IX. COMMISSIONS OF THE UNION

16. The General Assembly forms Commissions for such purposes as it may decide.

X. REPRESENTATION LEGALE DE L'UNION

17. Le Secrétaire Général est le représentant légal de l'Union.

XI. BUDGET ET COTISATIONS

18. (a) Pour chaque Assemblée Générale ordinaire, le Comité Exécutif prépare un projet de budget pour la période à courir jusqu'à l'Assemblée Générale ordinaire suivante, ainsi que les comptes de l'Union pour la période précédente. Il les soumet au Comité des Finances pour examen; ce Comité des Finances est composé de membres nommés par les organismes adhérents, à raison d'un membre par organisme, et il est approuvé par l'Assemblée Générale. Lors de sa première séance pendant l'Assemblée Générale, le Comité des Finances élit un Président parmi ses membres.
- (b) Le Comité des Finances examine les comptes de l'Union pour voir si les dépenses engagées ont été conformes aux vœux émis lors de la précédente réunion de l'Assemblée Générale et il s'assure que le budget proposé vise à la poursuite de la politique de l'Assemblée Générale, telle qu'elle est interprétée par le Comité Exécutif. Il présente des rapports sur ces questions qu'il soumet à l'Assemblée Générale pour approbation des comptes, et pour décision sur le budget.
- (c) Chaque Pays Adhérent verse annuellement à l'Union un nombre d'unités de cotisation qui est fonction de sa catégorie. Le nombre d'unités de cotisation pour chaque catégorie est fixé par le Règlement.
- (d) Le montant de l'unité de cotisation est fixé par l'Assemblée Générale, sur la proposition du Comité Exécutif et avec l'avis du Comité des Finances.
- (e) Le paiement des cotisations est à la charge des organismes adhérents. La responsabilité de chaque Pays Adhérent envers l'Union est limitée au moment des cotisations dues par ce pays à l'Union.
- (f) Un Pays Adhérent qui cesse d'adhérer à l'Union renonce de ce fait à ses droits sur l'actif de l'Union.

XII. DISSOLUTION DE L'UNION

19. La décision de dissoudre l'Union n'est valable que si elle est prise à la majorité des trois quarts des voix des Pays Adhérents qui disposent du droit de vote en vertu de l'article 11(a).

XIII. DEVOLUTION DE L'AUTORITE EN CAS DE FORCE MAJEURE

20. Si, par suite d'événements indépendants de la volonté de l'Union, des circonstances apparaissent qui rendent impossible le respect des clauses de ces Statuts et du Règlement établi par l'Assemblée Générale, les organes et membres du Comité Exécutif de l'Union, dans l'ordre fixé ci-dessous, prendront toutes dispositions qu'ils jugeront nécessaires pour la continuation du fonctionnement de l'Union. Ces dispositions devront être soumises à une autorité supérieure dès que cela deviendra possible, jusqu'à ce qu'une Assemblée Générale extraordinaire puisse être réunie. L'autorité est dévolue dans l'ordre ci-dessous: l'Assemblée Générale; une Assemblée Générale extraordinaire; le Comité Exécutif, réuni ou par correspondance; le Président de l'Union; le Secrétaire Général; ou, à défaut de la possibilité de recourir à l'une de ces autorités ou de leur disponibilité, un des Vice-Présidents.

X. LEGAL REPRESENTATION OF THE UNION

17. The General Secretary is the legal representative of the Union.

XI. BUDGET AND DUES

18. (a) For each ordinary General Assembly the Executive Committee prepares a budget proposal covering the period to the next ordinary General Assembly, together with the accounts of the Union for the preceding period. It submits these to the Finance Committee for consideration; this Finance Committee consists of one member nominated by each adhering body and approved by the General Assembly. At its first meeting during the General Assembly, the Finance Committee elects a Chairman from among its members.
- (b) The Finance Committee examines the accounts of the Union from the point of view of responsible expenditure within the intent of the previous General Assembly, and it considers whether the proposed budget is adequate to implement the policy of the General Assembly, as interpreted by the Executive Committee. It submits reports on these matters to the General Assembly for approval of the account and decision on the budget.
- (c) Each Adhering Country pays annually to the Union a number of units of contribution according to its category. The number of units of contribution for each category shall be specified in the By-laws.
- (d) The amount of the unit of contribution is determined by the General Assembly, on the proposal of the Executive Committee and with the advice of the Finance Committee.
- (e) The payment of contributions is the responsibility of the adhering bodies. The liability of each Adhering Country in respect of the Union is limited to the amount of that country's dues to the Union.
- (f) An Adhering Country that ceases to adhere to the Union resigns at the same time its rights to a share in the assets of the Union.

XII. DISSOLUTION OF THE UNION

19. The decision to dissolve the Union is only valid if taken with the approval of three quarters of the votes of the Adhering Countries having the right to vote by virtue of article 11(a).

XIII. EMERGENCY POWERS

20. If, through events outside the control of the Union, circumstances arise in which it is impracticable to comply with the provisions of these Statutes and of the By-laws drawn up by the General Assembly, the organs and officers of the Union, in the order specified below, shall take such actions as they deem necessary for the continued operation of the Union. Such action shall be reported to a higher authority immediately this becomes practicable until such time as an extraordinary General Assembly can be convened. The following is the order of authority: The General Assembly; an extraordinary General Assembly; the Executive Committee in meeting or by correspondence; the President of the Union; the General Secretary; or failing the practicability or availability of any of the above, one of the Vice-Presidents.

XIV. CLAUSES FINALES

21. Ces Statuts entrent en vigueur le 1er Septembre 1970.
22. Les présents Statuts sont publiés en versions française et anglaise. En cas d'incertitude, la version française fait seule autorité.

REGLEMENT

I. LES MEMBRES DE L'UNION

1. Les demandes d'adhésion des pays à l'Union Astronomique Internationale (ci-après dénommée l'Union) sont examinées par le Comité Exécutif et soumises à l'approbation de l'Assemblée Générale.
2. Les propositions de modifications de la liste des Membres sont, après examen attentif des suggestions des Présidents de Commissions, soumises pour avis au Comité des Nominations, composé d'un représentant de chaque Pays Adhérent désigné par l'organisme adhérent habilité, avant la décision du Comité Exécutif.
3. Les Commissions peuvent, avec l'approbation du Comité Exécutif, coopter des consultants qu'elles jugent en mesure d'apporter une contribution utile à leur travail. L'adhésion des consultants a pour terme le dernier jour de la première Assemblée Générale ordinaire qui suit leur admission, à moins qu'elle ne soit renouvelée.
4. Une organisation affiliée peut participer au travail de l'Union dans les conditions fixées par accord entre l'organisation et le Comité Exécutif.

II. L'ASSEMBLEE GENERALE

5. L'Union se réunit en Assemblée Générale ordinaire régulièrement une fois tous les trois ans. Si le lieu et la date de l'Assemblée Générale ordinaire n'ont pas été décidés lors de la précédente Assemblée Générale, ils sont fixés par le Comité Exécutif et communiqués aux organismes adhérents au moins six mois à l'avance.
6. Le Président peut convoquer, avec l'accord du Comité Exécutif, une Assemblée Générale extraordinaire. Il est tenu de le faire à la demande du tiers des Pays Adhérents.
7. L'Ordre du Jour de chaque Assemblée Générale ordinaire est arrêté par le Comité Exécutif et communiqué aux Organismes Adhérents au moins quatre mois avant le premier jour de la réunion. Il devra inclure la proposition du Comité Exécutif concernant le montant de l'unité de cotisation qui permet l'application de l'article 24.
8. (a) L'Ordre du Jour doit inclure toute motion ou proposition reçue par le Secrétaire Général au moins cinq mois avant le premier jour d'une Assemblée Générale ordinaire, qu'elle émane d'un organisme adhérent, d'une Commission de l'Union, ou d'une Commission mixte dans laquelle l'Union est représentée.
(b) Une motion ou proposition concernant l'administration ou le budget de l'Union qui ne figure pas à l'Ordre du Jour, préparé par le Comité

XIV. FINAL CLAUSES

21. These Statutes enter into force on 1 September 1970.
22. The present Statutes are being published in French and English version. In case of doubt, the French version is the only authority.

BY-LAWS

I. MEMBERSHIP

1. Applications of countries for adherence to the International Astronomical Union (referred to as the Union) are examined by the Executive Committee and submitted to the General Assembly for approval.
2. Proposed changes in the list of Members are, with due regard to the suggestions of the Presidents of Commissions, submitted for advice to the Nominating Committee, consisting of one representative of each Adhering Country designated by the appropriate adhering body, before decision by the Executive Committee.
3. Commissions may, with the approval of the Executive Committee, co-opt consultants whom they consider may contribute to their work. The adherence of consultants expires on the last day of the ordinary General Assembly next following their admission, unless renewed.
4. An affiliated organization may participate in the work of the Union as mutually agreed between the organization and the Executive Committee.

II. GENERAL ASSEMBLY

5. The Union meets in ordinary General Assembly, as a rule, once every three years. The place and date of the ordinary General Assembly, unless determined by the General Assembly at its previous meeting, shall be fixed by the Executive Committee and communicated to the adhering bodies at least six months beforehand.
6. The President, with the consent of the Executive Committee, may summon an extraordinary General Assembly. He must do so at the request of one third of the Adhering Countries.
7. The agenda of business for each ordinary General Assembly is determined by the Executive Committee and is communicated to the adhering bodies at least four months before the first day of the meeting. It shall include the proposal of the Executive Committee in regard to the unit of contribution as called for in article 24.
8. (a) Any motion or proposal received by the General Secretary at least five months before the first day of an ordinary General Assembly, whether from an adhering body, from a Commission of the Union, or from an Inter-Union Commission on which the Union is represented, must be placed on the agenda.

(b) A motion or proposal concerning the administration or budget of the Union which does not appear on the agenda prepared by the Executive

Exécutif, ou tout amendement à une motion qui figure à l'Ordre du Jour, ne peut être discuté qu'avec l'accord préalable des deux tiers au moins des voix des Pays Adhérents représentés à l'Assemblée Générale et disposant du droit de vote en vertu de l'article 11(a) des Statuts.

9. S'il y a doute sur le caractère administratif ou scientifique d'une question donnant lieu à un vote, l'avis du Président est prépondérant.
10. En cas de partage égal des voix, le Président a voix prépondérante.
11. Le Président peut inviter des représentants d'autres organisations, des scientifiques et de jeunes astronomes à participer à l'Assemblée Générale. Avec l'accord du Comité Exécutif, il peut déléguer ce privilège au Secrétaire Général en ce qui concerne les représentants d'autres organisations, aux organismes adhérents en ce qui concerne les scientifiques et les jeunes astronomes.

III. LE COMITE SPECIAL DES NOMINATIONS

12. (a) Les propositions pour les élections du Président de l'Union, des six Vice-Présidents, du Secrétaire Général et du Secrétaire Général Adjoint sont soumises à l'Assemblée Générale par le Comité Spécial des Nominations. Ce Comité se compose du Président en fonction et du Président sortant, d'un membre proposé par le Comité Exécutif sortant et n'appartenant ni au Comité Exécutif actuel ni au Comité Exécutif précédent, et de quatre membres élus par le Comité des Nominations parmi 12 membres proposés par les Présidents de Commissions. A l'exception du Président en fonction et du Président sortant, les membres actuels et les anciens membres du Comité Exécutif ne doivent pas faire partie du Comité Spécial des Nominations. Les membres du Comité Spécial des Nominations doivent tous appartenir à des pays différents.
- (b) Le Secrétaire Général et le Secrétaire Général Adjoint participent au travail du Comité Spécial des Nominations à titre consultatif.
- (c) Le Comité Spécial des Nominations est nommé par l'Assemblée Générale et est responsable directement devant elle. Il reste en fonction jusqu'à la fin de l'Assemblée Générale ordinaire qui suit immédiatement sa nomination, et il peut combler toute vacance survenant parmi ses membres.

IV. LE COMITE EXECUTIF ET SES MEMBRES

13. (a) Le Président de l'Union reste en fonction jusqu'à la fin de l'Assemblée Générale ordinaire qui suit immédiatement celle de son élection; les Vice-Présidents restent en fonction jusqu'à la fin de la deuxième Assemblée Générale ordinaire qui suit celle de leur élection. Ils ne pas rééligibles immédiatement pour les mêmes fonctions.
- (b) Le Secrétaire Général et le Secrétaire Général Adjoint restent en fonction jusqu'à la fin de l'Assemblée Générale ordinaire qui suit immédiatement celle de leur élection. Normalement, le Secrétaire Général Adjoint succède au Secrétaire Général, mais l'un et l'autre peuvent être réélus aux mêmes fonctions pour une seconde période consécutive.
- (c) Les élections ont lieu au cours de la dernière réunion de l'Assemblée Générale, les noms des candidats proposés ayant été annoncés au cours d'une réunion antérieure.

Committee, or any amendment to a motion that appears on the agenda, shall only be discussed with the prior approval of at least two thirds of the votes of Adhering Countries represented at the General Assembly and having the right to vote by virtue of Statute 11(a).

9. If there is doubt as to the administrative or scientific character of a question giving rise to a vote, the President determines the issue.
10. Where there is an equal division of votes, the President determines the issue.
11. The President may invite representatives of other organizations, scientists and young astronomers to participate in the General Assembly. Subject to the agreement of the Executive Committee he may delegate this privilege concerning representatives of other organizations to the General Secretary, and concerning scientists and young astronomers to the adhering bodies.

III. SPECIAL NOMINATING COMMITTEE

12. (a) Proposals for elections to the President of the Union, six Vice-Présidents, 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. No two members of the Special Nominating Committee shall belong to the same country.
- (b) The General Secretary and the Assistant General Secretary participate in the work of the Special Nominating Committee in an advisory capacity.
- (c) The Special Nominating Committee is appointed by the General Assembly to which it reports direct. It remains in office until the end of the ordinary General Assembly next following that of its appointment, and it may fill any vacancy occurring among its members.

IV. OFFICERS AND EXECUTIVE COMMITTEE

13. (a) The President of the Union remains in office until the end of the ordinary General Assembly next following that of his election; the Vice-Présidents remain in office until the end of the second ordinary General Assembly following that of their election. They may not be re-elected immediately to the same offices.
- (b) The General Secretary and the Assistant General Secretary remain in office until the end of the ordinary General Assembly next following that of their election. Normally the Assistant General Secretary succeeds the General Secretary though both officers may be re-elected for another term.
- (c) The election takes place at the last session of the General Assembly, the names of the candidates proposed having been announced at a previous session.

14. Le Président sortant et le Secrétaire Général sortant deviennent conseillers du Comité Exécutif jusqu'à la fin de l'Assemblée Générale ordinaire qui suit immédiatement celle de la fin de leur mandat. Ils participent au travail du Comité Exécutif et assistent à ses réunions sans droit de vote.
15. Le Comité Exécutif peut combler toute vacance survenant en son sein. Toute personne ainsi nommée reste en fonction jusqu'à l'Assemblée Générale ordinaire suivante.
16. Le Comité Exécutif peut rédiger et publier des Directives pour expliciter les Statuts et le Règlement.
17. Le Comité Exécutif nomme le représentant de l'Union qui doit siéger au sein du Comité Exécutif du Conseil International des Unions Scientifiques; si ce représentant n'est pas déjà un membre élu du Comité Exécutif, il devient conseiller.
18. (a) Le Secrétaire Général est responsable auprès du Comité Exécutif des dépenses qu'il engage, qui ne doivent pas dépasser le montant des fonds mis à sa disposition.
- (b) Un bureau administratif, sous la direction du Secrétaire Général, est chargé de la correspondance, de la gestion des fonds de l'Union, et de la conservation des archives.

V. COMMISSIONS

19. (a) Les Commissions de l'Union poursuivent les buts scientifiques de l'Union par des moyens tels que l'étude de domaines particuliers de l'Astronomie, l'encouragement de recherches collectives et la discussion de questions relatives aux accords internationaux et à la standardisation.
- (b) Les Commissions de l'Union établissent des rapports sur les sujets qui leur ont été confiés.
20. Chaque Commission se compose de:
 - (a) un Président et au moins un Vice-Président élus par l'Assemblée Générale sur la proposition du Comité Exécutif. Ils demeurent en fonction jusqu'à la fin de l'Assemblée Générale ordinaire qui suit immédiatement celle de leur élection. Ils ne sont pas normalement rééligibles.
 - (b) un Comité d'Organisation, dont les membres sont désignés par la Commission sous réserve de l'approbation du Comité Exécutif. Le Comité d'Organisation assiste le Président et le(s) Vice-Président(s) dans leur tâche. Une Commission peut décider qu'elle n'a pas besoin de Comité d'Organisation.
 - (c) des membres de l'Union, nommés par les Présidents, Vice-Président(s) et Comité d'Organisation, en considération de leurs spécialités; leur désignation est soumise à confirmation par le Comité Exécutif.
21. Entre deux Assemblées ordinaires, les Présidents de Commissions peuvent coopter, parmi les Membres de l'Union, de nouveaux membres des Comités d'Organisation et des Commissions elles-mêmes.
22. Les Commissions rédigent leur propre règlement. Les décisions sont prises, à l'intérieur des Commissions, par un vote de leurs membres.

14. The retiring President and the retiring General Secretary become advisers to the Executive Committee until the end of the ordinary General Assembly next following that of their retirement. They participate in the work of the Executive Committee and attend its meetings without voting right.
15. The Executive Committee may fill any vacancy occurring among its members. Any person so appointed remains in office until the next ordinary General Assembly.
16. The Executive Committee may draw up and publish Working Rules to implement the Statutes and By-laws.
17. The Executive Committee appoints the Union's representative on the Executive Committee of the International Council of Scientific Unions; if not already an elected member of the Executive Committee, this representative will become its adviser.
18. (a) The General Secretary is responsible to the Executive Committee for not incurring expenditure in excess of the funds at his disposal.
(b) An administrative office, under the direction of the General Secretary, conducts the correspondence, administers the funds, and preserves the archives of the Union.

V. COMMISSIONS

19. (a) The Commissions of the Union shall pursue the scientific objects of the Union by activities such as the study of special branches of astronomy, the encouragement of collective investigations, and the discussion of questions relating to international agreements or to standardization.
(b) The Commissions of the Union shall prepare reports on the work with which they are concerned.
20. Each Commission consists of:
 - (a) A President and at least one Vice-President elected by the General Assembly on the proposal of the Executive Committee. They remain in office until the end of the ordinary General Assembly next following that of their election. They are not normally re-eligible.
 - (b) An Organizing Committee, whose members are appointed by the Commission subject to the approval by the Executive Committee. The Organizing Committee assists the President and Vice-President(s) in their duties. A Commission may decide that it needs no Organizing Committee.
 - (c) Members of the Union, appointed by the President, Vice-President(s) and the Organizing Committee, in consideration of their special interests; their appointment is subject to the confirmation by the Executive Committee.
21. Between two ordinary General Assemblies, Presidents of Commissions may co-opt, from among Members of the Union, new members to the Organizing Committees and to the Commissions themselves.
22. Commissions draw up their own rules. Decisions within Commissions are taken according to the vote of their members.

VI. ADHERING BODIES

23. The functions of the adhering bodies are to promote and co-ordinate, in their respective territories, the study of the various branches of astronomy, more especially in relation to their international requirements. They are entitled to submit to the Executive Committee motions for discussion by the General Assembly.

VII. FINANCE

24. Each Adhering Country pays annually to the Union a number of units of contribution according to its category as follows:
- | | | | | | | | | |
|-----------------------------------|---|---|---|---|----|----|----|----|
| Category as defined in Statute 8: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Number of units of contribution: | 1 | 2 | 4 | 6 | 10 | 14 | 20 | 30 |
25. The income of the Union is to be devoted to its objects, included
- (a) costs of publication and expenses of administration
 - (b) the promotion of astronomical enterprises requiring international co-operation
 - (c) the contribution due from the Union to the International Council of Scientific Unions.
26. Funds derived from donations are used by the Union in accordance with the wishes expressed by the donors.

VIII. PUBLICATIONS

27. The Union has the copyright to all materials printed in its publications, unless otherwise arranged.
28. Members of the Union are entitled to receive the publications of the Union free of charge or at reduced prices at the discretion of the Executive Committee taking due regard of the financial situation of the Union.

IX. FINAL CLAUSES

29. These By-laws enter into force on 1 September 1970. They can be changed with the approval of an absolute majority of the votes of the Adhering Countries having the right to vote by virtue of Statute 11(a).
30. The present By-laws are being published in French and English version. In case of doubt, the French version is the only authority.

IX

UNION ASTRONOMIQUE INTERNATIONALE

DIRECTIVES

Adoptées par le Comité Exécutif le 1er Septembre 1970

I. PUBLICATIONS

1. Les publications de l'Union Astronomique Internationale approuvées, dans le budget, par l'Assemblée Générale, sont préparées par le Bureau Administratif de l'Union.
2. Les Commissions de l'Union peuvent, avec l'approbation du Comité Exécutif, avoir leurs propres publications.
3. Le Comité Exécutif décide sur la proposition du Secrétaire Général, des modalités de distribution des publications de l'Union.
4. Les Membres de l'Union peuvent acquérir les publications de l'Union à un prix réduit.

II. APPARTENANCE A L'UNION

A. *Pays Adhérents*

6. Les demandes d'adhésion à l'Union formulées par les pays sont examinées par le Comité Exécutif compte tenu des points suivants:
 - (a) justesse du choix de la catégorie dans laquelle le pays souhaite être classé
 - (b) situation actuelle de l'astronomie dans le pays formulant la demande, et ses possibilités de développement
 - (c) mesure dans laquelle le futur organisme adhérent est représentatif de l'activité astronomique de son pays.
7. Les demandes proposant une contribution annuelle appropriée seront soumises pour décision à l'Assemblée Générale, avec la recommandation du Comité Exécutif.

B. *Membres*

8. Les personnes proposées pour devenir Membres de l'Union doivent en principe être choisies parmi des astronomes et des chercheurs dont les activités sont liées à l'astronomie, compte tenu de
 - (a) la qualité de leur œuvre scientifique
 - (b) la mesure dans laquelle leur activité scientifique implique des recherches astronomiques
 - (c) leur désir de contribuer à la poursuite des buts de l'Union.
9. Les jeunes astronomes doivent être considérés comme pouvant devenir Membres de l'Union dès qu'ils ont fait la preuve de leur capacité (en principe par une thèse de doctorat ou son équivalent) et de leur aptitude (quelques années d'activité fructueuse) à mener une recherche personnelle.
10. Pour les astronomes professionnels, leur contribution à l'astronomie peut consister soit en des recherches personnelles, soit en une collaboration assidue à des programmes importants d'observations.

INTERNATIONAL ASTRONOMICAL UNION

WORKING RULES

adopted by the Executive Committee on 1 September 1970

I. PUBLICATIONS

1. The publications of the International Astronomical Union approved, in the budget, by the General Assembly are prepared by the Administrative Office of the Union.
2. Commissions of the Union may, with the approval of the Executive Committee, issue their publications independently.
3. The distribution of publications of the Union is decided, on the proposal of the General Secretary, by the Executive Committee.
4. Members may purchase the publications of the Union at reduced prices.

II. MEMBERSHIP

A. Adhering Countries

6. Applications of countries for adherence to the Union are examined by the Executive Committee for
 - (a) the adequacy of the category in which the country wishes to be classified
 - (b) the present state and expected development of astronomy in the applying country
 - (c) the degree to which the prospective adhering body is representative of its country's astronomical activity.
7. Applications proposing an adequate annual contribution to the Union shall, with the recommendation of the Executive Committee, be submitted to the General Assembly for decision.

B. Members

8. Individuals proposed for Union membership should, as a rule, be chosen from among astronomers and scientists, whose activity is closely linked with astronomy taking into account
 - (a) the standard of their scientific achievement
 - (b) the extent to which their scientific activity involves research in astronomy
 - (c) their desire to assist in the fulfilment of the aims of the Union.
9. Young astronomers should be considered eligible for membership after they have shown their capability (as a rule Ph.D. or equivalent) of and experience (some years of successful activity) in conducting original research.
10. For full-time professional astronomers the achievement in astronomy may consist either of original research or of substantial contributions to major observational programmes.

11. Les autres personnes ne peuvent devenir Membres de l'Union que si certains de leurs travaux originaux concernent étroitement la recherche astronomique.
12. Huit mois avant une Assemblée Générale ordinaire, il sera demandé aux organismes adhérents de proposer de nouveaux Membres. Les propositions devront parvenir au Secrétaire Général au moins cinq mois avant la première session de l'Assemblée Générale. Les propositions reçues après cette date limite ne seront prises en considération que si des circonstances exceptionnelles justifient le retard.
13. Chaque proposition du nouveau Membre doit être présentée séparément et indiquer le nom, les prénoms et l'adresse postale du candidat (de préférence celle de son Institut ou Observatoire), ses date et lieu de naissance, l'Université devant laquelle il a soutenu sa thèse ou le diplôme équivalent, la date de soutenance, la situation actuelle du candidat, les titres et renseignements bibliographiques de deux ou trois de ses articles ou publications les plus significatifs et, s'il y a lieu, tous les renseignements susceptibles d'être pris en considération par le Comité des Nominations.
14. (a) Les Présidents de Commissions qui désirent suggérer de nouveaux Membres doivent adresser leurs suggestions au Secrétaire Général au moins cinq mois avant la première session d'une Assemblée Générale ordinaire. Les propositions devront fournir les mêmes renseignements que ceux mentionnés à l'article 13.
 (b) Le Secrétaire Général fait part de ces suggestions aux organismes adhérents intéressés.
15. Le Secrétaire Général préparera deux listes pour le Comité des Nominations
 (a) l'une contenant les noms des candidats proposés par les organismes adhérents
 (b) l'autre contenant les noms des candidats proposés par les Présidents de Commissions, mais qui ne sont pas déjà inclus dans les propositions des organismes adhérents.
16. A partir des deux listes mentionnées à l'article 15, le Comité des Nominations prépare les propositions définitives de nouveaux Membres de l'Union.
17. Les organismes adhérents peuvent proposer la radiation de Membres ayant abandonné le domaine de l'astronomie pour d'autres activités, à moins qu'ils ne continuent à apporter une contribution à l'astronomie. Ces propositions doivent être portées à la connaissance du Secrétaire Général et du Membre concerné.
18. Le Secrétaire Général publiera la liste alphabétique des Membres de l'Union dans les Transactions de chaque Assemblée Générale ordinaire.

III. MEMBRES DES COMMISSIONS

19. Les membres des Commissions de l'Union sont cooptés par les Commissions. Cette procédure est régie par des règles établies par les Commissions elles-mêmes.
20. Les Commissions devraient choisir, ou approuver, la liste des membres de leurs commissions compte tenu de la spécialité de ces personnes, en particulier de leur activité scientifique dans le domaine de recherches de la Commission, et de leur contribution au travail de la Commission. Elles peuvent
- (a) inviter des Membres de l'Union à devenir membres de la Commission
 (b) radier les membres de la Commission qui n'ont pas contribué à son activité
 (c) accepter ou refuser les demandes présentées par des Membres de l'Union, ou par des personnes proposées comme tels, en vue d'appartenir à la Commission
 (d) suggérer l'élection comme Membres de l'Union de personnes n'y appartenant pas, ce qui leur permettrait alors de devenir membres de la Commission.

11. Others are eligible for membership only if they are making original contributions closely linked with astronomical research.
12. Eight months before an ordinary General Assembly, adhering bodies will be asked to propose new Members. The proposals should reach the General Secretary not later than five months before the first session of the General Assembly. Proposals received after the closing date will only be taken into consideration if the delay is justified by exceptional circumstances.
13. Each proposal shall be written separately. It should include the name, first names and postal address of the candidate, preferably that of his Institute or Observatory, his place and date of birth, the University and the year of his Ph.D. or equivalent title, his present occupation, titles and bibliographic data of two or three of his more important papers or publications, and details, if any, worthy to be considered by the Nominating Committee.
14. (a) Presidents of Union Commissions wishing to suggest new Members for admittance should address their suggestions to the General Secretary five months before the first session of an ordinary General Assembly. The proposals should contain particulars as in article 13.
(b) The General Secretary notifies the adhering bodies in questions of such suggestions.
15. The General Secretary shall prepare two lists for the Nominating Committee
 - (a) one containing the candidates proposed by the adhering bodies,
 - (b) the other containing those suggested by Presidents of Commissions, but not included among the proposals of adhering bodies.
16. The Nominating Committee prepares the final proposals for Union membership from the two lists as mentioned in article 15.
17. Adhering bodies should propose cancellation of Members who have left the field of astronomy for other interests, unless they continue to contribute to astronomy. Such proposals should be announced to the Member concerned and to the General Secretary.
18. The alphabetical list of Union Members will be published by the General Secretary in the Transactions of each ordinary General Assembly.

III. COMMISSION MEMBERSHIP

19. Members of Union Commissions are co-opted by Commissions. The rules governing the procedure of such co-option are drawn up by the Commissions themselves.
20. Commissions should choose, or approve of, Commission members taking into account their special interests, in particular their scientific activity in the appropriate fields of research and their contribution to the work of the Commission. They may
 - (a) invite Members to become members of their Commission
 - (b) remove members who have not contributed to the work of the Commission
 - (c) accept or reject applications for membership from existing or proposed Members
 - (d) suggest non-Members for election as Members, thus enabling them to become members of the Commission.

21. Les Membres de l'Union ne peuvent pas, en règle générale, appartenir à plus de trois Commissions.
22. Les Membres de l'Union peuvent demander à être admis dans une Commission en écrivant au Président de cette Commission. Ils ne devraient faire cette demande que si leur propre activité rentre dans le cadre des recherches de la Commission et s'ils sont décidés à contribuer au travail de la Commission.
23. Les membres des Commissions peuvent se retirer d'une Commission en écrivant à son Président.
24. En envoyant leurs propositions de nouveaux Membres, les organismes adhérents peuvent également suggérer le choix d'une Commission pour chaque candidat.
25. Le Secrétaire Général enregistrera et analysera la liste des membres des Commissions; si cela est nécessaire, il tentera de trouver une solution aux anomalies évidentes.
26. Le Secrétaire Général publiera la liste des membres des Commissions dans les Transactions de chaque Assemblée Générale ordinaire.

IV. CONSULTANTS

27. Peuvent être élus Consultants des personnes qui ne sont pas astronomes, mais qui sont susceptibles de servir les intérêts de l'astronomie.
28. Les Commissions doivent en principe envoyer, pour approbation, leurs propositions de consultants au Secrétaire Général au moins cinq mois avant la première session d'une Assemblée Générale ordinaire.
29. Le Secrétaire Général préparera une liste des personnes proposées comme consultants et la soumettra pour approbation au Comité Exécutif.
30. Le Bureau Administratif établira une liste alphabétique des consultants.
31. Les consultants peuvent participer aux réunions de l'Union. Ils peuvent avoir droit de vote dans leurs Commissions respectives. Ils reçoivent gratuitement le Bulletin d'Information de l'Union.

21. Members may not, as a rule, be members of more than three Commissions.
22. Members may apply for Commission membership by writing to the President of the Commission concerned. Such applications should only be made if the Member is actively engaged in the appropriate field of research and is prepared to contribute to the work of the Commission.
23. Members of Commissions may resign from a Commission by writing to its President.
24. Adhering bodies, in sending in their proposals for new Members, may also suggest one Commission for each candidate.
25. The General Secretary will record and analyse the list of members of Commissions; if necessary he will try to resolve any outstanding anomalies.
26. The list of Commission members will be published by the General Secretary in the Transactions of each ordinary General Assembly.

IV. CONSULTANTS

27. Eligible as Consultants are non-astronomers in a position to further the interest in astronomy.
28. Proposals of Commissions for the approval of consultants should, as a rule, reach the General Secretary not later than five months before the first session of an ordinary General Assembly.
29. The General Secretary shall prepare a list of those proposed for admission as consultants and submit it to the Executive Committee for approval.
30. The Administrative Office will maintain an alphabetical list of consultants.
31. Consultants may participate in the meetings of the Union. They may have voting right in the respective Commission. They receive, free of charge, the Information Bulletin of the Union.

The following two articles were added to the Working Rules in August 1973:

V. SCIENTIFIC MEETINGS

32. The General Secretary shall publish rules for scientific meetings organized or sponsored by the Union.

VI. EXTERNAL CONTACTS

33. No dealings with third parties, attributable to the Union, shall be undertaken by any Member of the Union except on the authority of the General Secretary.

X

RULES FOR SCIENTIFIC MEETINGS

A. GENERAL

One of the essential tasks of the Union is to encourage circulation of ideas and to disseminate information internationally on current scientific results by organizing scientific meetings. Scientific Meetings are:

- (a) Symposia
- (b) Colloquia
- (c) Regional Astronomy Meetings
- (d) Commission Meetings
- (e) Joint Discussions during General Assemblies

Except in the case (c), each meeting has to be sponsored by one or more Commissions. For Symposia there should always be more than one Commission involved, a principal *sponsoring* Commission with other *co-sponsoring* Commissions. In case (d), the Organizing Committee of the Commission is the Organizing Committee of the Meeting. In all other cases, a *Scientific Organizing Committee* is appointed by the Executive Committee with the advice of the proposer of the meeting.

The Chairman of the Scientific Organizing Committee (SOC) is appointed by the Executive Committee (EC). It is often the case that the President of the sponsoring Commission is proposed to the EC to be Chairman of the SOC, but it is not necessarily so. A proposer may propose himself as Chairman of SOC.

Symposia and Joint Discussions cover broader fields and have larger attendance, in general, than Colloquia. Proceedings of Symposia are published by the IAU in conjunction with a Publishing House. Whether or not the Proceedings of Colloquia are published, and in what form, is decided by the SOC of each Colloquium. Colloquia and Commission Meetings deal with narrower topics and are usually shorter. The IAU publishes short summaries of Colloquia in the Information Bulletin.

Regional Meetings are held at the proposal of a Host Organization in the country concerned. They should be confined to years when no IAU General Assembly is held. The EC can designate a meeting organized by a specific national or regional organization to be a Regional Astronomy Meeting.

Proposals for Symposia, Colloquia and Regional Meetings are addressed on the appropriate form to the Executive Committee through the Assistant General Secretary. Such proposals should be preceded by informal enquiries made at the earliest possible opportunity. *Enquiries* for Symposia and Colloquia should be directed to the Assistant General Secretary in the first instance; *in all other cases*, the first approach should be to the General Secretary. The formal proposal should be accompanied or preceded by letters of support from the Presidents of sponsoring and co-sponsoring Commissions. The following information is essential to a proposal:

1. A Title
2. Date and Place
3. Contact Address
4. Suggested composition of the SOC. No more than ten names should be included, one of the names being proposed as Chairman. There should be several countries represented and one institution should not be represented by more than one person unless some

other representation (e.g. a co-sponsoring Commission or relevant Working Group, etc.) is involved thereby. For Regional Meetings, the Assistant General Secretary is an ex-officio member of the SOC and in these cases more than ten names can be included, if desired.

5. Suggested Chairman and composition (or total number) of the proposed Local Organizing Committee (LOC).
6. The proposed number of participants.
7. The financial support expected, other than IAU support.
8. Whether or not the maximum IAU financial support is requested.
9. The proposed Editor, or Editors, of Proceedings, if these are to be published.
10. The proposed Scientific Programme, in outline.
11. A detailed account of why the meeting is useful or necessary at the time proposed and the relationship with other meetings.

Participation in Symposia and Colloquia is by invitation of the Chairman of the Scientific Organizing Committee. Invitations can be sought by suitably qualified scientists who are members of the IAU or who are resident in an adhering country. Restriction as to total number attending may be imposed by the Scientific Organizing Committee.

It is essential that there be no restriction based on race, colour, nationality, etc., imposed either by the organizers of Symposia and Colloquia or by authorities in the host country.

In the case of Regional Astronomy Meetings, invitation to attend is normally open to all interested astronomers of a particular geographical region for which invitations are primarily intended. The region will be outlined by the organizers in agreement with the Executive Committee.

B. CONTENTS OF MEETINGS

Commission Meetings held in the course of General Assemblies are of two kinds - (a) Business Meetings, including the organization of specific projects, and (b) Scientific Meetings on specific subjects. Commission Meetings can be organized jointly by two or more Commissions in order to deal with a topic of mutual interest; alternatively, a Joint Discussion, with an agreed Scientific Organizing Committee, can cover a topic of wider interest. Proposals for Meetings of Commissions and Joint Discussions during a General Assembly are addressed to the General Secretary, who decides the time-table for such proposals.

The agenda of scientific meetings may consist of:

- (a) Invited Review Papers
- (b) Invited Papers
- (c) Contributed Papers
- (d) Discussions, including Panel Discussions

The SOC first decides on the subjects, the general layout of the programme, and the mode of discussion, in accordance with suggestions that may be forthcoming from SOC members or from the Executive Committee. It can then proceed to decisions on the invited speakers, the acceptance or rejection of contributed papers, followed by the requirements for translation, recording of discussion, organization of the secretariat, etc., in agreement with the Local Organizing Committee.

C. TIME-TABLE AND OTHER COMMITMENTS

A timely presentation of proposals to the Executive Committee, taking into account the annual interval between EC meetings, is necessary if a satisfactory procedure of prior review is to be attained. The following types of notice are required:

- (i) Preliminary notice must be received at the earliest possible date, so that the proposers can be informed of any similar proposals being made elsewhere. In the case of Regional Meetings, where the General Secretary receives proposals in the first instance, the outline proposal should normally be available 2-3 years in advance and contact maintained thereafter; in the case of all meetings ability to place *adequate prior notice* in the IAU Information Bulletin is a necessary service for IAU members generally. This requirement implies at least one year between the time the meeting is proposed on the official proposal form and the time of the meeting.
- (ii) A firm proposal, still subject to approval and minor alteration by the Executive Committee, must be received in time for details to be investigated by the Assistant General Secretary in respect *inter alia*, of (a) composition of SOC (b) availability of IAU financial support (c) suitable nature and non-duplication of scientific content, *prior* to presentation for approval by the EC.

Fully documented proposals are submitted by the Assistant General Secretary to the Executive Committee. The EC either accepts or rejects the proposals. Since the Executive Committee normally meets annually in August and since it is desirable that discussion of critical points takes place at a formal meeting, rather than by correspondence, the actual dates for preparing proposals should take into account the dates of the EC meetings. March-April is a suitable time for making firm proposals for symposia and colloquia.

If the EC accepts a proposal it decides the title, place, date, Chairman of LOC, Chairman and members of SOC, financial support, Editor (in case of Symposia) and the scientific topics. Normally all these decisions are in accord with the firm proposals made by the organizers, but it is sometimes necessary to make changes in order to ensure the international character and proper scientific coverage and to avoid duplication with other meetings. If a meeting is proposed with less than one year's notice, it may be rejected because there is no time available for such changes to be made. However, *in the case of Colloquia only*, a proposal can be accepted by the EC at between eight and twelve months' notice if it is deemed to meet the normal IAU requirements without alteration, *provided always* that one announcement in the IAU Information Bulletin (prepared in May and November, and published in June and January), will give five months' notice to IAU members.

Presidents of related Commissions should be informed of the proposals by the organizers and invited to comment in their capacity as President.

The Chairman of SOC

- (1) invites participants to a Symposium or Colloquium after the meeting is accepted by the Executive Committee;
- (2) accepts or rejects requested invitations;
- (3) invites contributions and sets a deadline for submission of abstracts
- (4) informs the Assistant General Secretary as follows:
About 4 months before the meeting -
His recommendation for the distribution of the IAU financial allocation.

About 2 months before the meeting -
 Detailed Programme, Choice of Participants, Local Organization.
 About 1 month after the meeting -
 He prepares a Report of the Meeting, suitable for inclusion in
 the Information Bulletin; Final Programme; List of actual
 Participants; Principal Abstracts.

The Assistant General Secretary should also be informed of any unexpected changes in the arrangements or programme of a meeting.

D. PARTICIPATION OF THE IAU IN JOINT SYMPOSIA

The IAU is willing to participate in Symposia, jointly with other Unions or Inter-Union Committees, Working Groups, etc. either as a principal sponsor or as a co-sponsor, or in a minor way.

As a principal sponsor, the IAU organizes a Symposium in accordance with its normal procedures, the proposal being made in consultation with other Unions. It invites the co-operation and participation of other Unions in the business of the Scientific Organizing Committee through representatives appointed by those Unions to the SOC. The IAU invites other Unions to discuss matters affecting the publication of Proceedings, but would normally arrange for publication of the Proceedings as one of the current IAU Symposium volumes.

The IAU would normally expect the other Unions to contribute financially towards the expenses of the Symposium.

As a co-sponsor, the IAU would expect to be invited to appoint a representative on the appropriate Organizing Committee, to be consulted through that representative on all important questions, and to be kept informed of decisions on other matters; the IAU would accept a leading role where called upon to do so, and would, in principle, contribute towards the expenses. The IAU would expect to be consulted in regard to publication of the Proceedings.

The IAU suggests that Symposia organized jointly by one or more Unions should always be announced in the following terms:

Organized by the IAU in co-operation with (e.g.) IUGG and COSPAR.
 Organized by (e.g.) IUHPS in co-operation with the IAU.

It is to be noted that the IAU does not co-sponsor Symposia with National or Regional bodies, but only with International organizations.

In case of Colloquia or Regional Meetings, co-sponsorship can be proposed to the Executive Committee, who will decide upon acceptance or otherwise according to current resources and requirements, without specific restriction.

E. FINANCIAL CONSIDERATIONS

The Executive Committee allocates to each Symposium, Colloquium and Regional Meeting a limited sum of money which is meant as a 'catalyzer' to encourage other international organizations or national bodies to provide similar support. The maximum amount is specified in Swiss Francs, converted into other currencies, if necessary, according to current ICSU exchange rates. Colloquia receive smaller amounts than Symposia.

The IAU financial allocation is to be used principally for travel expenses of some of the participants. It can be used for partially supporting subsistence

expenses of participants but in these cases should be limited to the nominal hotel or hostel charges rather than a *per diem* figure. If, following the conclusion of the meeting, some funds have not been allocated or have not been used, and the local organization requires further funds to meet its expenses, the remaining IAU allocation can *at the discretion of the General Secretary*, be used to contribute towards local expenses.

The Chairman of the SOC encourages every participant to apply for financial aid from his home institute or national organization. He gives notice to prospective participants that requests for IAU support can be submitted to him on the appropriate IAU Travel Grant form. If other forms of application are being used to allocate other monies, these forms can effectively replace the IAU Travel Grants forms. Having assessed the financial support available to applicants from other sources, the Chairman suggests to the Assistant General Secretary how the limited sum available should be distributed. This recommendation should reach the Assistant General Secretary 4 months before the meeting, so that prospective recipients can suitably arrange their affairs. The Assistant General Secretary will arrange payment to recipients either direct, or in the form of Bank Drafts to the Chairman, L.O.C. on an IAU account; arrangements to cash such drafts at a convenient place are the responsibility of the LOC.

IAU funds are intended to meet only a part of the travel and subsistence expenses of some participants; the Chairman of the SOC has to decide whether to help a moderate number of people with a small amount each, or to assist one or two principal participants appreciably. Either solution, or a compromise, is acceptable to the Executive Committee.

Expenses of the Secretariat of the Symposium, Colloquium or Regional Meeting are customarily met by organizations in the host country. Expenses of the Local Organizing Committee for receptions, excursions, buses, etc., are normally met either by the host municipality, national organization, or institute, or by means of participants' contributions in the form of registration fees or itemized charges, or by a combination of these sources. For Colloquia, registration fees and other charges should be kept to an absolute minimum.

F. LOCAL ORGANIZATION

The original proposal for a Symposium, Colloquium or Regional Meeting includes a proposed name for approval by the Executive Committee for the Chairman of the Local Organizing Committee. Even before such approval is finalized, this Chairman normally forms a Local Organizing Committee and informs the Chairman of the S.O.C. of its composition.

Under the personal guidance of its Chairman, the Local Organizing Committee takes care of the smooth running of the Meeting. It does not receive financial help from the IAU, the necessary expenses being met by local funds or by contributions from the participants.

The requirements of local organization are generally as follows:

1. Meeting Rooms suitable for the expected number of participants should be reserved.
2. Arrangements should be made for photocopying (Xeroxing) documents for participants.
3. Sufficient secretarial and technical assistance should be secured, with careful attention to the requirements of projection equipment, microphones, tape recorders, etc.

4. In conjunction with the requirements of the SOC, arrangements should be made to record verbal discussion. Reliance on tape recordings is often unsatisfactory and providing each contributor with a sheet of paper on which to record or summarize his remarks is advisable.
5. Information on accommodation (hostels, hotels, etc.) should be agreed with the Chairman of SOC and sent to prospective participants in good time. Block reservations are often advisable.
6. All participants should be asked to send their wishes as regards accommodation, excursions and social events to the Local Organizing Committee.
7. Receptions and excursions can be organized during the free period of the meeting, or just before or after the meeting. A guest programme is usually welcome.
8. Participants should be informed of the reservations made for them and how to reach their hotel or the meeting rooms on arrival.
9. The Local Organizing Committee should provide a Preliminary and a Final Programme, including useful auxiliary information, to be distributed to each participant at the appropriate time. A List of Participants, produced on about the second day of the meeting, is also extremely valuable if it corresponds closely with those actually present.

G. PUBLICATION OF SYMPOSIUM PROCEEDINGS

The IAU believes that the Proceedings of Symposia are of general interest for a considerable period of time and that early publication in uniform style to a high standard is desirable. Publication and distribution have therefore been entrusted to a commercial publishing house.

The main responsibility of the IAU as joint publisher is the maintenance of a high standard of scientific value, originality and accuracy. The commercial publishing house agrees upon a contract ensuring early publication and thereafter takes the financial responsibility.

The Executive Committee, by approving the choice of Editor or Editors, places the main burden of maintaining the required standard on one or two IAU members on the basis that they are familiar with the scientific matter of the Symposium and are persons with some experience in editorial tasks.

It is desirable that the Editor, or one of two joint Editors, should be from an English-speaking country.

The Editor is responsible for the scientific value and the appearance of the Proceedings. His main tasks are:

- (a) to inform participants in ample time before the meeting in what general form their contributions should be submitted and what arrangements have been made with the publisher for receipt of camera-ready copy. The number of pages available to each contributor should be decided in good time.
- (b) to inform the participants about IAU rules for publication of IAU Proceedings and to emphasize that any contributed papers that might be used must be refereed before acceptance in the published volume.
- (c) to arrange with the Scientific Organizing Committee and the Local Organizing Committee the details for recording and reporting the scientific discussions that take place at meetings. Difficulties in this respect must not cause undue delay in preparing publication.
- (d) to arrange with members of the SOC for the refereeing of any contributed paper if he is unable, as Editor, to referee such a paper himself.

In general, the Editor will not be able to allow time for substantial revision.

- (e) to reduce the length of papers and discussion, to avoid duplication and to improve presentation.
- (f) to check whether IAU rules have been followed in each contribution and to arrange for re-typing if necessary.
- (g) to write the *Introduction, Table of Contents, etc.*, maintaining uniformity with recent IAU Symposium Proceedings.
- (h) to maintain all necessary contact with the Publishing House, in accordance with current "Instructions for Editors" available from the Assistant General Secretary.
- (i) to maintain close contact with the Assistant General Secretary on all matters affecting progress of publication arrangements, especially keeping him informed of the material sent to the publishers and of any unexpected delays or alterations.

As regards the *contents* of Proceedings volumes, duplication in respect of papers published elsewhere must be carefully avoided. Normally only *invited reviews* and *invited papers* should be included in Symposium volumes, and if material has been published elsewhere it should appear as abstract only. Detailed theoretical derivations, lists of observations, and comprehensive tabular data should be avoided.

Contributed papers should only be included in Symposium Proceedings if the material is of outstanding importance and interest. A referee's report should be obtained on every contributed paper that might be included. It is normal to publish abstracts only of contributed papers.

Normally, one introductory contribution is included, also a final summary of the Symposium, as provided for by the organizers.

In order to obtain a presentation that will indicate that the volumes of IAU Symposia form a series, it is requested that Editors adhere to the following recommendations:

Title Page The Title Page should include explicitly, above the title of Symposium and the date on which it was held, the words "IAU Symposium No. ...", followed, where appropriate, by the words "Organized by the IAU in co-operation with...", in which the list of organizations is limited to the Scientific Unions, the Scientific Committees, and Inter-Union Commissions of ICSU. Participation of UNESCO will be acknowledged by the following wording at the foot of the Title Page: "Published for the International Council of Scientific Unions with the Financial Assistance of UNESCO."

Table of Contents

Introduction The Editor's introduction should mention circumstances of the organization of the Symposium, and should list the supporting organizations and the members of the Scientific and Local Organizing Committees. It should express appreciation to those to whom it is due. The support of the IAU and other Unions, etc., should be recognized as well as that of other international, national, or local organizations.

Proceedings of the Symposium

Alphabetical Index of names and subject headings, with reference to the pagination arranged in the camera-ready copy by the publishers.

Symposium volumes should be published 6 - 8 months after the Symposium.

Participants obtain some free reprints of their contributions and other copies can be ordered. All IAU members can purchase Symposium volumes at reduced prices.

XI LIST OF COUNTRIES ADHERING TO THE UNION

The following is the list of 49 countries that adhere to the Union, giving the Adhering Organization, the year of admission, and the approximate number of individual members. (In the case of CHINA, the arrangement is subject to ratification by the next General Assembly of the Union.)

<i>Country</i>	<i>Adhering Organization</i>	<i>Year</i>	<i>Members</i>
ARAB REPUBLIC OF EGYPT	Academy of Scientific Research & Technology Dept. of Scientific Societies & International Scientific Unions 101 Kast El-Einy Street Cairo	1925	30
ARGENTINA	Comité Nacional de Astronomia Observatorio Astronómico "Félix Aguilar" Av. Benavidez 8175 Oeste 5407 Marquesado San Juan	1927	35
AUSTRALIA	Australian Academy of Sciences P.O. Box 783 Canberra City, ACT 2601	1939	95
AUSTRIA	Bundesministerium fuer Unterric und Kunst in Wien Minoritenplatz 5 A - 1014 Wien	1955	27
BELGIUM	Ministère de l'Education Nationale et de la Culture Française Cité Administrative de l'Etat rue Royale 204 B - 1010 Bruxelles	1920	78
BRAZIL	Conselho Nacional de Desenvolvimento Científico E Tecnológico - CNPq Av. W/3 Norte, Quadra 507/B Caixa Postal 11-1142 70.740 - Brasilia, D.F.	1961	23
BULGARIA	Bulgarian Academy of Sciences 7th November Street 1 1000 Sofia	1957	20
CANADA	National Research Council of Canada International Relations Ottawa K1A OR6	1920	144
CHILE	Universidad de Chile Observatorio Astronomico Nacional Casilla 36-D Santiago de Chile	1947	13

<i>Country</i>	<i>Adhering Organization</i>	<i>Year</i>	<i>Members</i>
CHINA	Chinese Astronomical Society Purple Mountain Observatory, Nanking.	1935	50
	Astronomy Union located at Taipei, China Taipei Observatory, Taipei, Taiwan	1959	13
COLOMBIA	Universidad Nacional de Columbia Observatorio Astronomico Nacional Apartado Aereo 2584 Bogota D.E.	1967	2
CUBA	Academia de Ciencias de la Republica de Cuba Capitolio Nacional La Habana	1970	0
CZECHOSLOVAKIA	Czechoslovak Academy of Sciences Národní 3 Praha 1	1922	54
DENMARK	Det Kongelige Danske Videnskabernes Selskab The Royal Danish Academy of Sciences and Letters H.C. Andersens Boulevard 35 DK - 1553 Københavniv	1922	39
FINLAND	Académie des Sciences et Lettres Snellmaninkatu 9-11 Helsinki 17	1948	18
FRANCE	Académie des Sciences Institut de France 23, quai de Conti 75006 Paris	1920	350
GERMANY, D.R.	Akademie der Wissenschaften der DDR Der Generalsekretär Otto-Nuschke-Strasse 22/23 DDR - 108 Berlin	1951	42
GERMANY, F.R.	Rat Westdeutscher Sterwarten Institut f. Theoretische Physik u. Sternwarte der Universität Neue Universität, Haus N 2 c Olshausenstrasse 2300 Kiel	1951	227
GREECE	Academy of Athens Panepistimiou Street Athens	1920	47
HUNGARY	Hungarian Academy of Sciences Roosevelt tér 9 Budapest 5	1947	22
INDIA	Indian National Science Academy Bahadur Shah Zafar Marg New Delhi 110002	1964	78

<i>Country</i>	<i>Adhering Organization</i>	<i>Year</i>	<i>Members</i>
INDONESIA	National Institute for Sciences Tenku Cik Dithiro 43 Jakarta	1979	
IRAN	Institute of Geophysics Tehran University Amirabad Shomali Tehran	1969	3
IRAQ	Foundation of Scientific Research P.O. Box 255 Baghdad	1976	2
IRELAND	National Committee of Astronomy The Royal Irish Academy 19 Dawson Street Dublin 2	1947	19
ISRAEL	The Israel Academy of Sciences & Humanities P.O. Box 4040 Jerusalem 91040	1954	36
ITALY	Consiglio Nazionale delle Ricerche Piazzale delle Scienze 7 00100 Rome	1921	185
JAPAN	Science Council of Japan 22-34 Roppongi, 7 chome Minato-ku Tokyo 106	1920	200
KOREA (DPR)	Academy of Sciences Pyogyang	1961	3
KOREA (REPUBLIC)	Korean National Astronomical Observatory Yoksam-Dong, Kangnam-ku Seoul, 134-03	1973	7
MEXICO	Instituto de Astronomia UNAM Apartado Postal 70-264 México D.F.	1921	28
NETHERLANDS	Koninklijke Nederlandse Akademie van Wetenschappen Kloveniersburgwal 29 Amsterdam - C	1922	122
NEW ZEALAND	The Royal Society of New Zealand 6 Kelburn Parade P.O. Box 12249 Wellington	1964	16
NORWAY	Det Norske Videnskaps-Akademi i Oslo Drammensveien 78 Oslo 2	1922	16

<i>Country</i>	<i>Adhering Organization</i>	<i>Year</i>	<i>Members</i>
POLAND	Polska Akademia Nauk Palac Kultury i Nauki Warsaw	1922	62
PORTUGAL	Secção Portuguesa das Uniões Internacionais Astronómica e Geodésica e Geofísica Praca da Estrela Lisboa 2	1924	14
ROUMANIA	Roumanian National Committee of Astronomy Astronomical Observatory Str. Cutitul de Argint 5 Bucarest 28	1928	18
SOUTH AFRICA	Council for Scientific & Industrial Research Information & Research Services P.O. Box 395 Pretoria 0001	1938	14
SPAIN	Comision Nacional de Astronomia Geografico y Cadastral General Ibanez 3 Madrid (3)	1922	36
SWEDEN	Kungl. Vetenskapsakademien Fack, S - 104 05 Stockholm 50	1925	56
SWITZERLAND	Schweizerische Naturforschende Gesellschaft Zentralsekretariat Laupenstrasse 10 3000 Bern	1923	45
TURKEY	Türk Astronomi Dernegi University Rasathanesi Beyazit, Istanbul	1961	31
UNITED KINGDOM	The Royal Society 6, Carlton House Terrace London SW1Y 5AG	1920	409
URUGUAY	Ministerio de Educacion y Cultura 8 de Octubre 3255 Montevideo	1970	0
U.S.A.	National Academy of Sciences Office of the Foreign Secretary 2101 Constitution Avenue, N.W. Washington, D.C. 20418	1920	1363
U.S.S.R.	Academy of Sciences of the USSR Leninskij Prospekt 14 Moscow 71	1935	410
VATICAN CITY STATE	Pontificia Academia delle Scienze Citta Del Vaticano	1932	5

<i>Country</i>	<i>Adhering Organization</i>	<i>Year</i>	<i>Members</i>
VENEZUELA	Asociación Venezolana de Astronomía Facultad de Ingeniería Departamento de Geodesia Universidad del Zulia Maracaibo	1953	5
YUGOSLAVIA	Savez društva matematičara, fizičara i astronoma Jugoslavije ul. Dr Ilije Duričića 4 Novi Sad	1935	26