

UNION ASTRONOMIQUE INTERNATIONALE  
INTERNATIONAL ASTRONOMICAL UNION

EXECUTIVE COMMITTEE

APPOINTED AUGUST 1958

PRÉSIDENT:

Prof. J. H. OORT, Director of the University Observatory, Leiden, the Netherlands.

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Dr R. M. PETRIE, Dominion Astrophysicist, Dominion Astrophysical Observatory, Royal Oak, B.C., Canada.

Dr B. STERNBERK, Director, Astronomical Institute, Czechoslovakian Academy of Sciences, Budečská 6, Prague 12, Czechoslovakia.

Dr R. H. STOY, H.M. Astronomer at the Cape, Royal Observatory, Cape Town, South Africa.

SECRÉTAIRE GÉNÉRAL:

Mr D. H. SADLER, Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.

## COMPOSITION DES COMMISSIONS

\* Indique co-optation en 1959: indicates co-option in 1959.

† Indique mort depuis août 1958: indicates death since August 1958.

Les Commissions Nos. 1, 2, 11, 13, 18, 32, 36, 39 ont été supprimées;

Commissions Nos. 1, 2, 11, 13, 18, 32, 36, 39 have been discontinued.

- 3. Commission des Notations, des Unités et de l'Economie des Publications. (Notations, Units and Economy of Publication.)**  
PRÉSIDENT: Prof. Dr M. F. Subbotin, Director of the Institute of Theoretical Astronomy, Leningrad, U.S.S.R.  
MEMBRES: Barbier, Chandrasekhar, Martin, Martynov, Mikhailov, Mlle Northcott, R. W. Shaw, Zagar.
- 4. Commission des Ephémérides. (Ephemerides.)**  
PRÉSIDENT: Prof. Dr W. Fricke, Direktor des Astronomischen Rechen-Instituts, Mönchhofstrasse 12, Heidelberg, Germany.  
MEMBRES: Fayet, Fernandez de la Puente, Kahrstedt, Kopff, D. K. Kulikov, Lahiri, Sadler, Woolard.
- 5. Commission des Analyses de Travaux et de Bibliographie. (Abstracts and Bibliography.)**  
PRÉSIDENT: Prof. Dr D. Ya. Martynov, Director of Sternberg Astronomical Institute, Moscow University, Leninskije Gory, Moscow, U.S.S.R.  
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- 6. Commission des Télégrammes Astronomiques. (Astronomical Telegrams.)**  
PRÉSIDENT: Prof. Dr E. Buchar, Astronomical Institute, Technical University, Karlovo nám. 13, Prague 2, Czechoslovakia.  
DIRECTRICE DU BUREAU: Mlle J. M. Vinter Hansen  
MEMBRES: Bobone†, Cunningham, Finsen, Hogg, Whipple.
- 7. Commission de la Mécanique Céleste. (Celestial Mechanics.)**  
PRÉSIDENT: Prof. D. Brouwer, Director of the Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.  
MEMBRES: Belorizky, Chebotarev, Clemence, Cox, Cunningham, Duboshin, Eckert, Fabre, Hagihara, Hamid, Heinrich, Herget, Herrick, Jeffreys, Lemaître, Milankovitch, Plavec, Sadler, Sconzo, Slavenas, Stumpff, Subbotin, van Woerkom, Vernic, Wilkens, Zagar.
- 8. Commission de l'Astronomie de Position. (Positional Astronomy.)**  
PRÉSIDENT: Mr F. P. Scott, U.S. Naval Observatory, Washington 25, D.C., U.S.A.  
MEMBRES: Atkinson, Barros, Bohrmann, Danjon, Demetrescu, Dick, Dyukov, Gondolatsch, Gordon, Haas, J. Jackson†, Spencer Jones, Kopff, Lacroute, Larink, Lévy, Maître, McClenahan, Nakano, Nefedieva, Nemiro, Pilowski, Planelles, Podobed, Reiz, Schmeidler, Sémirot, Slaucitajs, Spigl, Stoy, Symms, Tuzi, van Herk, Verbaandert, Watts, Woolsey, Xanthakis, Zimmermann, Zverev.
- a. Sous-Commission des Catalogues Photographiques d'Étoiles jusqu'à la 9<sup>me</sup> Grandeur. (Photographic Catalogues of Stars brighter than the Ninth Magnitude.)**  
PRÉSIDENT: Prof. D. Brouwer, Director of the Yale University Observatory, Box 2023 Yale Station, New Haven, Connecticut, U.S.A.  
MEMBRES: Mlle Barney, A. N. Deutsch, Dieckvoss, Eckert, Fatchikhin, Mlle Hoffleit, Lourens, Scott, Vasilevskis, H. W. Wood.

## COMPOSITION DES COMMISSIONS

### 9. *Commission des Instruments Astronomiques. (Astronomical Instruments.)*

PRÉSIDENT: Dr G. E. Kron, Lick Observatory, Mount Hamilton, California, U.S.A.

MEMBRES: H. W. Babcock, J. G. Baker, Baum, Bowen, Brahde, Code, Couder, Danjon, Dimitroff, Dunham, J. W. Evans, Fellgett, Gottlieb, J. S. Hall, Hiltner, Lallemand, Linfoot, Linnik, McMath, Maksutov, Meinel, Melnikov, Monin, Platzek, Rösch, Sisson, Sukharev, Väisälä, Walraven.

#### a. *Sous-Commission des Convertisseurs d'Images. (Image Converters.)*

PRÉSIDENT: Dr W. A. Baum, Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena 4, California, U.S.A.

MEMBRES: Duchesne, Fellgett, J. S. Hall, Hiltner, Krassovsky, Lallemand, McGee, Morton.

#### b. *Sous-Commission de la Qualité des Images. (The Quality of Images.)*

PRÉSIDENT: Dr J. S. Hall, Director of the Lowell Observatory, Flagstaff, Arizona, U.S.A.

MEMBRES: Butler, Hewish, Keller, Redman, Rösch, A. G. Wilson, Zwicky.

### 10. *Commission de l'Activité Solaire. (Solar Activity.)*

PRÉSIDENT: Prof. Dr A. B. Severny, Director of the Crimean Astrophysical Observatory of the Academy of Sciences of the U.S.S.R., Pochtovoe, Crimea, U.S.S.R.

MEMBRES: Allen, Mlle Bell, Bogorodsky, Mme Brück, Bruzek, Cardus, Cimino, Contino, Coutrez, Das, d'Azambuja, Djurkovic, Mme Dodson-Prince, Dollfus, Eigenson, Ellison, Giovanelli, Gnevyshev, Gullón, Kiepenheuer, Kopecky, Krat, Kristenson, Krook, McMath, Macris, Menzel, Mergentaler, Miyamoto, Mohler, Mustel, Notuki, Öhman, Richardson, Roberts, Rösch, A. H. Shapley, Shklovsky, Mme Slonim, Smerd, Stepanov, Svestka, Tandberg-Hanssen, Trellis, Waldmeier, Wayman, Zirin\*.

#### a. *Sous-Commission de Cinématographie des Phénomènes Solaires. (Cinematography of Solar Phenomena.)*

PRÉSIDENT: Dr W. O. Roberts, High Altitude Observatory of the University of Colorado, Boulder, Colorado, U.S.A.

MEMBRES: Gnevyshev, McMath, Rösch, Severny, Waldmeier.

### 12. *Commission de la Radiation et de la Structure de l'Atmosphère Solaire. (Radiation and Structure of the Solar Atmosphere.)*

PRÉSIDENT: Prof. L. Goldberg, Director of the Observatory of the University of Michigan, Ann Arbor, Michigan, U.S.A.

MEMBRES: H. D. Babcock, H. W. Babcock, Mlle Bell, Blackwell, Brück, Das, J. W. Evans, Gnevyshev, Houtgast, Labs, Locke, Migeotte, Minnaert, Mlle E. Müller, Nicolet, Pecker, Pierce, Plaskett, Righini, Schlüter, Schwarzschild, Severny, Sitnik, Smyth, Suemoto, ten Bruggencate, Thiessen, Tousey, Treanor, Unsöld, van de Hulst, von Klüber, Waldmeier, Warwick.

#### a. *Sous-Commission des Eclipses du Soleil. (Solar Eclipses.)*

PRÉSIDENT: Prof. R. O. Redman, Director of the Observatories, Madingley Road, Cambridge, England.

MEMBRES: Allen, Athay, Blackwell, Brück, Mlle Bugoslavskaya, Cimino, Fujita, Mme Gossner, Houtgast, Kristenson, Menzel, Mulders, Mikhailov, Notuki, Parijsky, Righini, R. N. Thomas, Torroja, von Klüber, Vyazanitsyn.

## COMPOSITION DES COMMISSIONS

**14. Commission des Etalons de Longueur d'Onde et des Tables de Spectres. (Wave-length Standards and Tables of Spectra.)**

PRÉSIDENT: Dr G. Herzberg, Director, Division of Physics, National Research Council, Ottawa, Ontario, Canada.

MEMBRES: Mlle Adam, Barrell, Dieke, Edlén, Engelhard, Harrison, Kiess, Layzer, Littlefield, McMath, Meggers, Migeotte, Minnaert, Mohler, Racah, Mme Moore-Sitterly, Terrien.

**a. Sous-Commission des Tables d'Intensités. (Intensity Tables.)**

PRÉSIDENT: Prof. M. G. J. Minnaert, Director of the Astronomical Observatory, Zonnenburg 2, Utrecht, the Netherlands.

MEMBRES: Allen, Bates, Garstang, Green, R. B. King, Layzer, Lochte-Holtgreven, Smit, Zirin.

**b. Sous-Commission des Spectres Moléculaires d'Intérêt Astronomique. (Molecular Spectra of Astronomical Interest.)**

PRÉSIDENT: Prof. P. Swings, Directeur de l'Institut d'Astrophysique de l'Université de Liège, Cointe-Sclessin, Liège, Belgium.

MEMBRES: Herzberg, Junkes, McKellar, Mme Moore-Sitterly, Nevin, Phillips.

**15. Commission pour l'Etude Physique des Comètes. (The Physical Study of Comets.)**

PRÉSIDENT: Prof. Dr K. Wurm, Hamburger Sternwarte, Hamburg-Bergedorf, Germany.

MEMBRES: Baldet, Bertaud, Beyer, Biermann, Bobrovnikoff, Bouska, Dobrovolsky, Douglas, Dufay, Mme Herman, Herzberg, Hunaerts, Levin, Liller, Lyttleton, McKellar, F. D. Miller, Poloskov, Richter, Rijves, Steavenson, Swings, van Biesbroeck, Vanysek, Vsekhsvyatsky, Waterfield, Whipple.

**16. Commission pour l'Etude Physique des Planètes et des Satellites. (The Physical Study of Planets and Satellites.)**

PRÉSIDENT: Dr A. Dollfus, Observatoire de Meudon, Meudon (Seine-et-Oise), France.

MEMBRES: Barabashev, Bullard, Bullen, Camichel, de Marcus, de Mottoni, Gold, Herzberg, Jeffreys, Kuiper, Levin, Link, Peek, Sharonov, Slipher, Steavenson, Mme Sytinskaya, Tikhov, Urey, Wildt.

**17. Commission du Mouvement et de la Figure de la Lune. (The Motion and Figure of the Moon.)**

PRÉSIDENT: Prof. Dr K. Koziel, Professor of Astronomy, Jagellonian University, Kopernika 27/3, Cracow, Poland.

MEMBRES: Atkinson, Boneff, Botelho, Brouwer, Eckert, Guth, Hirose, Jeffreys, Markowitz, Meyer, Nefediev, O'Keefe, Mme McBain Sadler, Ueta, Watts, Weimer, A. A. Yakovkin.

**19. Commission de la Variation des Latitudes. (The Variation of Latitude.)**

PRÉSIDENT: Dr E. P. Fedorov, Gravimetric Observatory of the Academy of Sciences of the Ukrainian S.S.R., Poltava, U.S.S.R.

MEMBRES: Abraham, Mme Aksentjeva, Buchar, Carnera, Cecchini, Mme Chudovicheva, Fleckenstein, Hattori, Ikeda, Spencer Jones, K. A. Kulikov, Lambert, Markowitz, Melchior, Miyadi, Munk, Nicolini, B. A. Orlov, Randić, Rice, Mme Romanskaya, Sevarlic, Stoyko, Tanner, Tardi, Witkowski.

## COMPOSITION DES COMMISSIONS

### 20. Commission des Positions et des Mouvements des Petits Planètes, des Comètes et des Satellites. (Positions and Motions of Minor Planets, Comets and Satellites.)

PRÉSIDENT: Dr S. Arend, Observatoire Royal de Belgique, Uccle 3, Bruxelles, Belgium.

MEMBRES: Boyer, Brouwer, Bruwer, Cunningham, Dubyago, Edmondson, Gennaro, Giclas, Heinrich, Herget, Hirose, Hirst, Itzigsohn, Jeffers, Kahrstedt, Kamienski, Kepinski, Krésak, Kuiper, Mme Laugier, Michkovitch, Missana, A. A. Orlov, Patry, Pels, Protitch, Rabe, Rasmusen, Reinmuth, Schürer, Strobel, Spigl, Torroja, Väisälä, van Biesbroeck, Mlle Vinter Hansen, H. W. Wood, Yakhontova.

#### a. Sous-Commission des Orbites et des Ephémérides des Comètes. (Orbits and Ephemerides of Comets.)

PRÉSIDENT: Dr J. G. Porter, H.M. Nautical Almanac Office, Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England.

MEMBRES: Cunningham, Dubyago, Fayet, Kepinski, Mlle Roemer\*, van Biesbroeck, Mlle Vinter Hansen.

### 21. Commission de la Luminescence du Ciel. (The Light of the Night-Sky.)

PRÉSIDENT: Prof. J. Dufay, Directeur de l'Observatoire de l'Université de Lyon, Saint-Genis-Laval (Rhône), France.

MEMBRES: Barber, Barbier, Bates, Cabannes, Chamberlain, Chapman, Dauvillier, Elvey, Gartlein, Harang, J. Kaplan, Kastler, Krassovsky, Link, Nicolet, Pearse, Ramanathan, Roach, Robley, Seaton, Tcheng, Vassy, Vegard.

### 22. Commission des Météores et des Météorites. (Meteors and Meteorites.)

PRÉSIDENT: Prof. Dr V. V. Fedynsky, Astronomical Council of the Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R.

MEMBRES: Astapovich, Cepiecha, Davies, de Jager, Fesenkov, Guigay, Guth, Hey, Hirose, Hoffmeister, Hoppe, Huruhata, Huxley, Jacchia, Katasev, Krésak, Levin, Lovell, Millman, Nielsen, Olivier, Öpik, Porter, Prentice, Siedentopf, O. Thomas, R. N. Thomas, Whipple.

#### a. Sous-Commission des Météorites. (Meteorites.)

PRÉSIDENT: Dr F. L. Whipple, Director of the Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge 38, Massachusetts, U.S.A.

MEMBRES: Astapovich, Harrison Brown, Krinov, Leonard, Levin, Link, Nininger, E. W. Salpeter.

#### b. Sous-Commission pour normaliser la Terminologie et les Notations concernant les Météores. (Standardization of Terminology and Notations concerning Meteors.)

PRÉSIDENT: Dr P. M. Millman, National Research Council, Ottawa, Ontario, Canada.

MEMBRES: Davies, Hoppe, Jacchia, Kleczek, Levin.

### 23. Commission de la Carte du Ciel. ('Carte du Ciel.')

PRÉSIDENT: Dr P. Couderc, Observatoire de Paris, 61 Avenue de l'Observatoire, Paris-14e, France.

MEMBRES: Ali, J. Baillaud, Danjon, Fernandez de la Puente, Fracastoro, Gratton, Järnefelt, Kox, Meyer, O'Connell, Paloque, Sémirot, Spigl, Warzée, H. W. Wood.

## COMPOSITION DES COMMISSIONS

**24. Commission des Parallaxes Stellaires et des Mouvements Propres. (Stellar Parallaxes and Proper Motions.)**

PRÉSIDENT: Prof. K. Aa. Strand, U.S. Naval Observatory, Washington 25, D.C., U.S.A.

MEMBRES: Alden, Ali, Cecchini, A. N. Deutsch, Haas, Harris, J. Jackson†, Mlle Jenkins, Kohlschütter, König, Lavdovski, Luyten Morgan, Nechvile, Paloque, Parenago, Schilt, Smart, Stearns, van de Kamp, van Rhijn, Vasilevskis, Vyssotsky, Wagman, H. W. Wood.

**25. Commission de Photométrie Stellaire. (Stellar Photometry.)**

PRÉSIDENT: Dr R. H. Stoy, H.M. Astronomer at the Cape, Royal Observatory, Cape Town, South Africa.

MEMBRES: Argyle, Baum, W. Becker, Behr, Butler, Cousins, de Kort, Dessy, Dufay, Eggen, Fracastoro, Haffner, Hardie, Harris, Hertzsprung, Hiltner, Hogg, Holmberg, Irwin, H. L. Johnson, Kostylev, Kron, Kuprevich, Masani, A. B. Muller, Nikonov, Ninger-Kosibowa, Oosterhoff, Mme Payne-Gaposchkin, Ramberg, Redman, E. Rybka, Schilt, H. Schmidt, Stock, Strohmeier, Vanderlinden, Velghe, Wallenquist, Weaver, Wesselink, Whitford, Zonn.

**26. Commission des Etoiles Doubles. (Double Stars.)**

PRÉSIDENT: Prof. P. van de Kamp, Director of the Sproul Observatory, Swarthmore College, Swarthmore, Pennsylvania, U.S.A.

MEMBRES: Arend, Baize, Couteau, A. N. Deutsch, Dick, Djurkovic, Finsen, Güntzel-Lingner, Hertzsprung, Jeffers, Jonckheere, Kuiper, Luyten, P. Muller, Strand, van Albada, van Biesbroeck, van den Bos, Wierzbinski, Woolley, Zagar.

**27. Commission des Etoiles Variables. (Variable Stars.)**

PRÉSIDENT: Prof. P. Th. Oosterhoff, University Observatory, Leiden, the Netherlands.

MEMBRES: Ahnert, Ashbrook, Mme Balázs-Detre, Banerji, Bateson\*, Bertaud, Bhatnagar, Brun, Mlle Canavaggia, de Kock, Detre, Efremov, Eggen, Gadomski, Gaposchkin, Haro, Mlle Harwood, Hertzsprung, Mlle Hoffleit, Hoffmeister, Huffer, Huruhata, Istchenko, Kholopov, Kopal, Kordylewski, Kukarkin, Lacchini, Lindley, Mme Mayall, W. J. Miller, Nielsen, O'Connell, Odgers, Opolski, Parenago, Piotrowski, Plaut, Rosino, Mme Sawyer Hogg, Schneller, H. Shapley, Soloviev, Steavenson, Stibbs, Strohmeier, Svestka, Tempesti, Tsesevich, Vandekerkhove, van Hoof, Wachmann, Walker, Walraven, Wesselink, Zinner.

**a. Sous-Commission de Coordination des Recherches Galactiques (Etoiles Variables). (Coordination of Galactic Research—Variable Stars.)**

PRÉSIDENT:

MEMBRES: Baade, Blaauw, Kukarkin, Oosterhoff.

**b. Sous-Commission des Etoiles Variables dans les Amas. (Variable Stars in Clusters.)**

PRÉSIDENT: Mrs Dr H. B. Sawyer Hogg, David Dunlap Observatory, Richmond Hill, Ontario, Canada.

MEMBRES: Arp, Detre, Kholopov, Rosino, Wesselink.

**c. Sous-Commission des Spectres des Etoiles Variables. (Spectra of Variable Stars.)**

PRÉSIDENT: Mrs Dr C. H. Payne Gaposchkin, Harvard College Observatory, Cambridge 38, Massachusetts, U.S.A.

MEMBRES: Bidelman, Kukarkin, P. W. Merrill, Oosterhoff.

## COMPOSITION DES COMMISSIONS

### 28. Commission des Nébuleuses Extragalactiques. (Extra-galactic Nebulae.)

PRÉSIDENT: Dr N. U. Mayall, Lick Observatory, Mount Hamilton, California, U.S.A.

MEMBRES: Arp, Baum, Bigay, Bondi, Dessy, de Vaucouleurs, D. S. Evans, Gascoigne, Holmberg, Hoyle, Lemaitre, B. Lindblad, McCrea, McVittie, Markarian, Mills, Morgan, Sandage, Mlle Scott, Shane, Thackeray, Whitford, Whitrow, Zwicky.

#### a. Sous-Commission des Nuages de Magellan. (Magellanic Clouds.)

PRÉSIDENT: Dr S. C. B. Gascoigne, Mount Stromlo Observatory, Canberra, A.C.T., Australia.

MEMBRES: Arp, Dessy, Kerr, Lindsay, Oosterhoff, Thackeray.

### 29. Commission des Spectres Stellaires. (Stellar Spectra.)

PRÉSIDENT: Dr L. H. Aller, Observatory of the University of Michigan, Ann Arbor, Michigan, U.S.A.

MEMBRES: Abt, H. W. Babcock, Bartaya, Bappu, Beals, Bertaud, Bidelman, Mlle Bloch, Bouigue, Brück, Mme Burbidge, Buscombe, Butler, Chalonge, Code, A. J. Deutsch, Mlle Divan, Dobronravin, Dufay, Dunham, Feast, Fujita, Gratton, Greenstein, Gyldenkerne, Mlle Hack, Haro, Heard, Herbig, Mlle Hoffleit, Hunaerts, Iwanowska, C. O. R. Jaschek, Keenan, Kienle, R. B. King, Kuprevich, Larsson-Leander, McKellar, McLaughlin, McNamara, Mannino, Melnikov, P. W. Merrill, Miczaika, Morgan, G. Münch, L. Münch, Mustel, Nassau, Mme Payne-Gaposchkin, Platzcek, Righini, Mlle Roman, Rosen, Sahade, Schalén, Slettebak, Strömgren, Struve, Suemoto, Swensson, Swings, Tcheng, Thackeray, Mlle Underhill, Vorontsov-Velyaminov, Wellman, Wempe, Westerlund, O. C. Wilson, R. Wilson, K. O. Wright.

#### a. Sous-Commission pour la Théorie des Atmosphères Stellaires. (The Theory of Stellar Atmospheres.)

PRÉSIDENT: Dr C. de Jager, Astronomical Observatory, Zonnenburg 2, Utrecht, the Netherlands.

MEMBRES: L. H. Aller, Barbier, Biermann, G. Burbidge, Mlle Busbridge, Goldberg, Hagihara, Henyey, Hitotuyanagi, Houtgast, Kourganoff, Mlle J. K. McDonald, Menzel, Minnaert, Miyamoto, G. Münch, Mustel, Neven, Pecker, Plaskett, Rudkjøbing, Sobolev, Spitzer, Strömgren, R. N. Thomas, Mlle Underhill, Unsöld, Wrubel.

#### b. Sous-Commission des Etalons d'Intensité de Raies. (Line Intensity Standards.)

PRÉSIDENT: Dr K. O. Wright, Dominion Astrophysical Observatory, Royal Oak, B.C., Canada.

MEMBRES: Abt, Butler, Greenstein, Houtgast, Melnikov, Plaskett, Righini, Wrubel.

#### c. Sous-Commission des Classifications Stellaires. (Stellar Classification.)

PRÉSIDENT: Dr W. P. Bidelman, Lick Observatory, Mount Hamilton, California, U.S.A.

MEMBRES: Buscombe, Mlle Divan, D. S. Evans, Keenan, Morgan, Petrie, Ramberg, Mlle Roman, Strömgren, Thackeray.

(Cette Sous-Commission a été formée par le Comité Exécutif depuis août 1958. This Sub-Commission has been formed by the Executive Committee since August 1958.)



## COMPOSITION DES COMMISSIONS

### 30. Commission des Vitesses Radiales Stellaires. (Stellar Radial Velocities.)

PRÉSIDENT: Prof. Ch. Fehrenbach, Directeur de l'Observatoire de Marseille, 2 Place Le Verrier, Marseille-IV, France.

MEMBRES: Abt, Blaauw, Edmondson, D. S. Evans, Gollnow, Gratton, Heard, Herbig, Pearce, Petrie, Sahade, Taffara, Thackeray, O. C. Wilson.

#### a. Sous-Commission des Vitesses Radiales Fondamentales. (Fundamental Radial Velocities.)

PRÉSIDENT: Dr J. F. Heard, Director of the David Dunlap Observatory, Richmond Hill, Ontario, Canada.

MEMBRES: D. S. Evans, Gratton, Pearce.

#### b. Sous-Commission pour l'Observation des Etoiles Doubles Spectroscopiques. (The Observation of Spectroscopic Double Stars.)

PRÉSIDENT: Prof. D. B. McLaughlin, Observatory of the University of Michigan, Ann Arbor, Michigan, U.S.A.

MEMBRES: Gollnow, Herbig, Mlle Northcott, Pearce, Struve, O. C. Wilson.

### 31. Commission de l'Heure. (Time.)

PRÉSIDENT: Dr W. Markowitz, U.S. Naval Observatory, Washington 25, D.C., U.S.A.

MEMBRES: Abraham, Bakulin, Blaser, Brkic, Cassinis, Danjon, Decaux, Demetrescu, Essen, Fernandez de la Puente, Gama\*, Gougenheim, Hers, Jelstrup, Spencer Jones, Koebcke, Lange, Lejay†, Loron, Loubentzov, Miyadi, Opalski, Pavlov, Shcheglov, H. M. Smith, Sternberk, Stoyko, Tardi, Thomson, Verbaandert, von der Heide.

### 33. Commission de la Structure et de la Dynamique du Système Galactique. (The Structure and Dynamics of the Galactic System.)

PRÉSIDENT: Prof. A. Blaauw, Director of the Kapteyn Astronomical Laboratory, Broerstraat 7, Groningen, the Netherlands.

MEMBRES: Ambartsumian, Baade, Bidelman, Blanco, Bok, Delhaye, Fricke, Gyldenkerne, Haro, Heckmann, Ikaunieks, C. O. R. Jaschek, Kaburaki, Kerr, Kukarkin, Kuzmin, B. Lindblad, Luyten, MacRae, Malmquist, Mohr, Morgan, Nassau, Ogorodnikov, Oort, Parenago, Perek, Petrie, Ramberg, Reiz, Mlle Roman, Schalén, Schilt, M. Schmidt, H. Shapley, Stibbs, van Hoof, van Rhijn, Vyssotsky, Weaver.

#### a. Sous-Commission de Coordination des Recherches Galactiques. (The Co-ordination of Galactic Research.)

PRÉSIDENT: Prof. J. H. Oort, Director of the University Observatory, Leiden, the Netherlands.

MEMBRES: Baade, Blaauw, B. Lindblad, Parenago, Thackeray, van Rhijn.

#### b. Sous-Commission pour la Détermination du Pole Galactique et des Longitudes Galactiques. (The Determination of the Galactic Pole and of Galactic Longitudes.)

PRÉSIDENT:

MEMBRES: Blaauw, Gum, Pawsey, Westerhout.

#### c. Sous-Commission des 'Selected Areas'. (Selected Areas.)

PRÉSIDENT: Dr T. Elvius, Astronomiska Observatoriet, Uppsala, Sweden.

MEMBRES: Allen, F. Becker, Bok, Brouwer, A. N. Deutsch, Fehrenbach, Heard, Mme Kalandadze, Kharadze, Mlle Roman, Stoy.



## COMPOSITION DES COMMISSIONS

**34. Commission de la Matière Interstellaire et des Nébuleuses Planétaires. (Interstellar Matter and Planetary Nebulae.)**

PRÉSIDENT: Dr L. Spitzer, Director of the Princeton University Observatory, Princeton, N.J., U.S.A.

MEMBRES: L. H. Aller, Behr, Bok, Courtès, Mlle Divan, Gum, Gurzadian, J. S. Hall, Haro, Hatanaka, Hiltner, Kahn, S. A. Kaplan, Kerr, Kharadze, Kipper, Lambrecht, Mayall, McCrea, Minkowski, G. Münch, Pikelner, Rozhkovski, Safronov, Savedoff, Schalén, Schatzman, Schlüter, Seaton, Sharpless, Shklovsky, Sobolev, Strömgren, Thackeray, van de Hulst, Velghe, Vorontsov-Velyaminov, Whitford, Zanstra.

**35. Commission de la Constitution des Étoiles. (Stellar Constitution.)**

PRÉSIDENT: Dr M. Schwarzschild, Princeton University Observatory, Princeton, N.J., U.S.A.

MEMBRES: Biermann, Mme Bondi, Bondi, Chandrasekhar, Cowling, Dings, Gamow, Mlle Gjellestad, Henyey\*, Hoyle\*, S. A. Kaplan, Krook, Lebedinsky, Ledoux, McCrea, Mme Mashevitch, Mestel\*, Osawa, Reiz, Rosseland\*, E. E. Salpeter\*, Schatzman\*, Strömgren, Sweet, Tuominen, Wrubel.

**37. Commission des Amas Stellaires et des Associations. (Star Clusters and Associations.)**

PRÉSIDENT: Prof. Dr H. Haffner, Hamburger Sternwarte, Hamburg-Bergedorf, Germany.

MEMBRES: Baade, Mme Barkhatova, W. Becker, Blaauw, Cuffey, Eggen, Gascoigne, Heckmann, Irwin, H. L. Johnson\*, Kholopov, I. R. King, Lavdovski, Lohmann, Markarian, Meurers, Rosino, Sandage, Mme Sawyer Hogg, H. Shapley, Vanderlinden, van Wijk, Walker, Wallenquist, Weaver.

**38. Commission pour l'Échange des Astronomes. (Exchange of Astronomers.)**

PRÉSIDENT: Prof. F. J. M. Stratton, Gonville and Caius College, Cambridge, England.

MEMBRES: Abetti, Bok, Bowen, Chang, Danjon, Dawson, Minnaert, Mohr, Nassau, Pawsey, Rosseland, Swings, Witkowski.

**40. Commission de Radio-Astronomie. (Radio-Astronomy.)**

PRÉSIDENT: Dr J. F. Denisse, Observatoire de Paris, Section d'Astrophysique, Meudon (Seine-et-Oise), France.

MEMBRES: Bolton, Coutrez, Daene, Mme Dodson-Prince, Gascoigne, Gold, Haddock, Hagen, Hanbury Brown, Harang, Hatanaka, Hewish, Hey, Khaikin, Kraus, Laffineur, Link, Lovell, McClain\*, McKinley, MacRae, McVittie, Mills, Minkowski, C. A. Muller, Oort, Pawsey, Reber, Righini, Romana, Rydbeck, Ryle, Seeger, Shklovsky, Siedentopf, F. G. Smith, Mme Stahr Carpenter, Tuominen, van de Hulst, Vitkevitch, J. P. Wild.

**41. Commission de l'Histoire de l'Astronomie. (The History of Astronomy.)**

PRÉSIDENT: Dr P. G. Kulikovsky, Sternberg Astronomical Institute, Moscow, U.S.S.R.

MEMBRES: Abetti, Armitage, Baehr, Birkenmajer, Brasch, Dijksterhuis, Dingle, Mlle A. V. Douglas, Filliozat, Fleckenstein, Kamienski, Michel, Nordenmark, Nørlund, Pannekoek, Pelseneer, Pogo, Samaha, Seydlitz, Tchenakal, Téhérany, Yabuuti, Zinner.

## COMPOSITION DES COMMISSIONS

**42. Commission des Etoiles Doubles Photométriques. (Photometric Double Stars.)**

PRÉSIDENT: Dr D. J. K. O'Connell, Direttore della Specola Vaticana, Castel Gandolfo, Vatican City State.

MEMBRES: Beer, Binnendijk, Cillié, Dadaev, Fracastoro, Fresa, Gaposchkin, Hardie, Heard, Hogg, Huang, Huffer, Huruhata, Kopal, Krat, Kron, Larsson-Leander, Martynov, J. E. Merrill, Ovenden, Pearce, Petrie, Piotrowski, Plaut, Plavec, Popper, Sahade, Schneller\*, Mme Shapley, Mlle Szafraniec, Tsesevich, van Hoof, Wesselink, B. S. Whitney, F. B. Wood.

**43. Commission de la Magnéto-hydrodynamique et de la Physique des Gaz Ionisés. (Magneto-hydrodynamics and the Physics of Ionized Gases.)**

PRÉSIDENT: Prof. H. Alfvén, The Royal Institute of Technology, Stockholm, Sweden.

MEMBRES: H. W. Babcock, Chandrasekhar, Cowling, Ledoux, Shklovsky, SPITZER.

**44. Commission des Observations Astronomiques au dehors de l'Atmosphère Terrestre. (Astronomical Observations from outside the Terrestrial Atmosphere.)**

PRÉSIDENT: Prof. P. Swings, Directeur de l'Institut d'Astrophysique de l'Université de Liège, Cointe-Sclessin, Liège, Belgium.

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(Cette Commission a été formée par le Comité Exécutif en septembre 1959.  
This Commission has been formed by the Executive Committee in September 1959.)

## LISTE ALPHABETIQUE DES 1120 MEMBRES

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

Les noms des pays ont été publiés en anglais.

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

La liste a été corrigée jusqu'à octobre 1959.

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

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

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

The list has been corrected to October 1959.

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