

LIST OF NATIONAL DELEGATES AND INVITED GUESTS

Present at the Meeting of the Union at Leiden, July 5-13, 1928

[An asterisk denotes a delegate officially nominated by
an adhering organization.]

ARGENTINE REPUBLIC.

*PROF. B. H. DAWSON, Observatorio de La Plata.

AUSTRALIA.

*MR Z. A. MERFIELD, Melbourne University.

AUSTRIA.

PROF. O. THOMAS, Astronomische Zentrale, Wien.

BELGIUM.

DR P. E. E. BOURGEOIS, Observatoire Royal, Uccle.

DR J. COX, Université de Bruxelles.

*DR E. DELPORTE, Observatoire Royal, Uccle.

*DR J. DELVOSAL, Observatoire Royal, Uccle.

*M. F. DE ROY, Anvers.

L'ABBÉ G. LEMAÎTRE, Université de Louvain.

*PROF. E. MERLIN, Université de Gand.

*DR F. MOREAU, Observatoire Royal, Uccle.

*PROF. P. STROOBANT, Directeur de l'Observatoire Royal, Uccle.

*DR H. VANDERLINDEN, Université de Gand.

CANADA.

PROF. D. BUCHANAN, University of British Columbia.

*PROF. C. A. CHANT, University of Toronto.

*DR J. S. PLASKETT, Director of the Dominion Astrophysical Observatory,
Victoria.

CHINA.

DR TCHAO TSIN-YI, Observatoire de Lyon.

DR CHIN-SUN YÜ, Peking.

CZECHO-SLOVAKIA.

DR L. BENEŠ, Military-Geographical Institute, Prague-Bubeneč.

*PROF. V. V. HEINRICH, Director of the University Observatory, Prague-Smíchov.

DR V. NECHVILE, National Observatory, Prague.

*PROF. F. NUŠL, Director of the National Observatory, Prague.

*PROF. J. SVOBODA, Polytechnic, Prague.

DENMARK.

M. C. LUPLAU-JANSSEN, Director of the Urania Observatory, Copenhagen.

*PROF. N. E. NÖRLUND, University of Copenhagen.

*PROF. E. STRÖMGREN, Director of the University Observatory, Copenhagen.

EGYPT.

*DR M. R. MADWAR, Helwân Observatory.

ESTHONIA.

DR E. J. ÕPIK, Tartu.

FRANCE.

- *PROF. H. ANDOYER, Sorbonne, Paris.
*DR J. BAILLAUD, Observatoire de Paris.
*M. F. BALDET, Observatoire de Meudon.
*PROF. G. BIGOURDAN, Directeur du Bureau de l'Heure, Observatoire de Paris.
*PROF. H. BUISSON, Université de Marseille.
*PROF. H. CHRÉTIEN, Institut d'Optique, St Cloud.
*M. L. D'AZAMBUJA, Observatoire de Meudon.
*COMTE DE LA BAUME PLUVINEL, Paris.
*PROF. H. DESLANDRES, Directeur de l'Observatoire Paris-Meudon.
BARON J. E. DE VOS VAN STEENWIJK, Institut pour la coopération intellectuelle de la Société des Nations, Paris.
PROF. E. ESCLANGON, Observatoire de Strasbourg.
*PROF. C. FABRY, Université de Paris.
PROF. G. FAYET, Directeur de l'Observatoire de Nice.
*GÉNÉRAL G. FERRIÉ, Directeur des Services de la Télégraphie Militaire, Paris.
*M. E. FICHOT, Chef du Service Hydrographique, Paris.
MME G. CAMILLE FLAMMARION, Observatoire de Juvisy.
*M. H. GROUILLER, Observatoire de Lyon.
*PROF. C. LALLEMAND, Bureau des Longitudes, Paris.
*M. A. LAMBERT, Observatoire de Paris.
REV. P. LEJAY, S.J., Observatoire de Zi Ka Wei (China).
*PROF. J. MASCART, Directeur de l'Observatoire de Lyon.
*GÉNÉRAL G. PERRIER, Secrétaire de la Section de Géodésie de l'Union géodésique et géophysique internationale, Paris.
MME D. KLUMPKE-ROBERTS, By-Thomery.
DR P. SALET, Observatoire de Paris.

GERMANY.

- DR W. BAADE, Sternwarte, Hamburg-Bergedorf.
PROF. G. EBERHARD, Astrophysikalisches Observatorium, Potsdam.
DR E. FREUNDLICH, Astrophysikalisches Observatorium, Potsdam.
PROF. P. GUTHNICK, Direktor der Sternwarte, Berlin-Neubabelsberg.
PROF. H. KIENLE, Direktor der Sternwarte, Göttingen.
PROF. A. KOHLSCHÜTTER, Direktor der Sternwarte, Bonn.
PROF. A. KOPFF, Direktor des Astronomischen Rechen-Instituts, Berlin-Dahlem.
PROF. H. LUDENDORFF, Direktor des Astrophysikalischen Observatoriums, Potsdam.
DR R. MECKE, Universität, Bonn.
PROF. J. PETERS, Astronomisches Rechen-Institut, Berlin-Dahlem.
DR R. PRAGER, Sternwarte, Berlin-Neubabelsberg.
PROF. H. ROSENBERG, Direktor der Universitäts-Sternwarte, Kiel.
PROF. H. VOGT, Sternwarte, Heidelberg-Königstuhl.
DR E. ZINNER, Direktor der Sternwarte, Bamberg.

GREAT BRITAIN.

- MISS M. A. BLAGG, Cheadle.
MR A. N. BROWN, Bucklebury Common.
MR C. P. BUTLER, Solar Physics Observatory, Cambridge.
DR J. A. CARROLL, Solar Physics Observatory, Cambridge.
PROF. S. CHAPMAN, Imperial College, London.
DR L. J. COMRIE, Nautical Almanac Office, London.
*DR A. C. D. CROMMELIN, Blackheath.
*MR C. R. DAVIDSON, Royal Observatory, Greenwich.
PROF. H. DINGLE, Imperial College, London.
*SIR F. W. DYSON, Astronomer Royal, Greenwich.
*PROF. A. S. EDDINGTON, Director of the University Observatory, Cambridge.
*MR J. EVERSHED, Ewhurst.
DR J. K. FOTHERINGHAM, University Observatory, Oxford.
*PROF. A. FOWLER, Imperial College, London.
MR C. C. L. GREGORY, University College, London.
MR H. P. HOLLIS, Blackheath.
MR T. C. HUDSON, Hither Green.
*DR J. J. JACKSON, Royal Observatory, Greenwich.
*DR H. KNOX-SHAW, Director of the Radcliffe Observatory, Oxford.
*DR W. J. S. LOCKYER, Director of the Norman Lockyer Observatory, Sidmouth.
MR T. L. MACDONALD, Glasgow University.
DR P. A. MACMAHON, St John's College, Cambridge University.
DR G. MERTON, Royal Observatory, Greenwich.
MR J. C. P. MILLER, Trinity College, Cambridge University.
*PROF. E. A. MILNE, University of Manchester.
*PROF. H. F. NEWALL, Director of the Solar Physics Observatory, Cambridge University.
MR A. M. NEWBEGIN, Sutton, Surrey.
DR J. W. NICHOLSON, Balliol College, Oxford University.
REV. E. O'CONNOR, S.J., Director of the Stonyhurst College Observatory.
*REV. T. E. R. PHILLIPS, Epsom.
*PROF. H. C. PLUMMER, Royal Artillery College, Woolwich.
MR J. H. REYNOLDS, Harborne.
MR F. ROBBINS, Hayward's Heath.
REV. J. P. ROWLAND, S.J., Stonyhurst College Observatory.
*PROF. R. A. SAMPSON, Astronomer Royal for Scotland, Edinburgh.
DR G. C. SIMPSON, Director of the Meteorological Office, London.
DR W. M. SMART, University Observatory, Cambridge.
*DR W. H. STEAVENSON, West Norwood.
*LT.-COL. F. J. M. STRATTON, Gonville and Caius College, Cambridge University.
MR H. THOMSON, Weymouth.
*PROF. H. H. TURNER, Director of the University Observatory, Oxford.
MR R. WATERFIELD, Hereford.
MISS K. WILLIAMS, Royal Astronomical Society, London.

HOLLAND.

- MR B. J. BOK, Kapteyn Astronomical Laboratory, Groningen.
MISS J. M. BRUGGEMAN, Leiden.
DR C. A. CROMMELIN, Physical Laboratory, Leiden.

DR C. DE JONG, Leiden.
 MR A. DE SITTER, Sterrewacht, Leiden.
 *PROF. W. DE SITTER, Directeur der Sterrewacht, Leiden.
 MR N. W. DOORN, Amsterdam.
 DR J. DROSTE, Universiteit, Leiden.
 DR C. EASTON, Scheveningen.
 DR P. FEENSTRA KUIPER, den Helder.
 PROF. A. D. FOKKER, Haarlem.
 DR H. GROOT, Bussum.
 *PROF. E. HERTZSPRUNG, Sterrewacht, Leiden.
 *DR C. H. HINS, Sterrewacht, Leiden.
 PROF. W. H. KEESOM, Physical Laboratory, Leiden.
 DR W. J. KLEIN WASSINK, Paterswolde.
 IR. J. KNOL, Zeist.
 DR E. A. KREIKEN, Haarlem.
 IR. W. E. KRUYTBOSCH, Wassenaar.
 MR G. P. KUIPER, Sterrewacht, Leiden.
 DR A. J. LECKIE, 's Gravenhage.
 MR J. H. C. LISMAN, Groningen.
 DR M. G. J. MINNAERT, Heliophysisch Instituut, Utrecht.
 Prof. W. J. H. MOLL, Universiteit, Utrecht.
 PROF. J. J. A. MULLER, Zeist.
 *PROF. A. A. NIJLAND, Directeur der Sterrewacht, Utrecht.
 *DR J. H. OORT, Sterrewacht, Leiden.
 MR P. T. OOSTERHOFF, Sterrewacht, Leiden.
 PROF. L. S. ORNSTEIN, Universiteit, Utrecht.
 *PROF. A. PANNEKOEK, Director of the Astronomical Institute, Amsterdam.
 MR A. S. RAIMOND, Sterrewacht, Leiden.
 MR J. J. RAIMOND, Leiden.
 DR J. J. M. REESINCK, Arnhem.
 MR C. SANDERS, Sterrewacht, Leiden.
 DR W. J. A. SCHOUTEN, Arnhem.
 PROF. L. H. SIERTSEMA, Delft.
 DR J. F. SIRKS, Leiden.
 *REV. J. W. J. A. STEIN, S.J., St Ignatius College, Amsterdam.
 MISS J. C. THODEN VAN VELZEN, Amsterdam.
 *DR J. VAN DER BILT, Sterrewacht, Utrecht.
 DR J. C. VAN DER LINDE, Paris.
 DR A. C. S. VAN HEEL, Delft.
 *PROF. P. J. VAN RHIJN, Director of the Kapteyn Astronomical Laboratory,
 Groningen.
 DR W. E. VAN WIJK, Rotterdam.
 MR D. VELDT, Leiden.
 PROF. F. A. VENING MEINESZ, Amersfoort.
 IR. J. WEEDER, 's Gravenhage.
 DR J. WOLTJER, Sterrewacht, Leiden.
 PROF. P. ZEEMAN, Universiteit, Amsterdam.

HUNGARY.

REV. T. ANGEHRN, S.J., Direktor des Haynald-Observatoriums, Kalocsa.
PROF. A. TASS, Director of the Observatory, Budapest Schwabenberg, Budapest.

INDIA.

CAPT. G. BOMFORD, Survey of India, Calcutta.

ITALY.

- *PROF. G. ABETTI, Direttore del R. Osservatorio Astrofisico, Arcetri-Firenze.
- *PROF. G. ARMELLINI, Direttore del R. Osservatorio Astronomico del Campidoglio, Roma.
- *PROF. E. BIANCHI, Direttore del R. Osservatorio Astronomico di Brera, Milano.
- *PROF. L. CARNERA, Direttore del R. Osservatorio Astronomico, Trieste.
PROF. G. FORNI, R. Istituto Idrografico della Marina, Genova.
- *PROF. G. SILVA, Direttore del R. Osservatorio Astronomico, Padua.
- *PROF. L. VOLTA, Direttore del R. Osservatorio Astronomico di Pino Torinese, Torino.

JAPAN.

- *PROF. S. HIRAYAMA, Director of the Astronomical Observatory, Azabu, Tokyo.
- *DR H. KIMURA, Director of the International Latitude Observatory, Mizusawa.
- *PROF. A. TANAKADATE, Imperial University, Tokyo.

LITHUANIA.

DR P. SLAVENAS, University of Lithuania, Kowno.

NORWAY.

- *PROF. S. ROSSELAND, Observatorium, Oslo.
- *PROF. C. STÖRMER, University, Oslo.

POLAND.

- *PROF. T. BANACHIEWICZ, Directeur de l'Observatoire, Krakow.
- *PROF. M. ERNST, Université de Lwow.
DR L. HUFNAGEL, Lund.
- *PROF. M. KAMIENSKY, Directeur de l'Observatoire, Warszawa.
PROF. F. KEPINSKI, Observatoire, Warszawa.
DR K. KORDYLEWSKI, Observatoire, Krakow.

PORTUGAL.

- *PROF. F. M. DA COSTA LOBO, Directeur de l'Observatoire astronomique de l'Université de Coïmbra.

ROUMANIA.

PROF. N. DONITCH, Directeur de l'Observatoire astrophysique, Starya Doubosary.
PROF. C. PARVULESCO, Université de Cernoutzi.

RUSSIA.

M. N. COMMENDANTOFF, Observatoire, Pulkovo.
DR N. DNEPROVSKY, Observatoire, Pulkovo.
PROF. N. JEWDOKIMOW, Observatoire, Kharkow.
PROF. A. MICHAÏLOV, Observatoire de l'Université, Moskowa.

SOUTH AFRICA.

- DR R. T. A. INNES, Johannesburg.
*DR H. SPENCER JONES, His Majesty's Astronomer, Cape of Good Hope.

SPAIN.

- *DR V. F. ASCARZA, Observatorio Astronomico, Madrid.
*PROF. P. CARRASCO, Observatorio Astronomico, Madrid.
*PROF. J. COMAS Y SOLÁ, Observatorio di Fabra, Barcelona.
*DR E. GASTARDI, Observatorio Astronomico, Madrid.
*DR L. HERRERO, Director del Instituto y Observatorio da Marina, San Fernando.
*DR P. JIMENEZ LANDI, Observatorio Astronomico, Madrid.
*REV. LUIS RODÉS, S.J., Director del Observatorio del Ebro, Tortosa.
M. P. M. RYVES, Zaragoza.
DR J. TINOCO, Observatorio Astronomico, Madrid.
PROF. F. URIOL, Instituto Geografico y Catastral, Madrid.

SWEDEN.

- PROF. C. V. L. CHARLIER, Lund.
*PROF. W. GYLLENBERG, University Observatory, Lund.
*PROF. B. LINDBLAD, Observatory, Stockholm.
DR K. E. LUNDMARK, University Observatory, Upsala.
DR K. G. MALMQUIST, University Observatory, Lund.
M. J. O. NORDLUND, Hadiksvaal.
M. Y. ÖHMAN, University Observatory, Upsala.
DR H. PETERSON, Upsala.
M. C. SCHALEN, Upsala.

SWITZERLAND.

- PROF. W. BRUNNER, Direktor der Sternwarte, Zurich.
PROF. P. DITISHEIM, La Chaux de Fonds.
*PROF. S. MAUDERLI, Directeur de l'Observatoire de l'Université de Berne.

UNITED STATES.

- *MISS A. AMES, Harvard College Observatory.
*MISS I. BARNEY, Yale University Observatory.
PROF. H. W. BIGELOW, Northampton College.
*PROF. E. W. BROWN, Yale University.
*MR L. CAMPBELL, Harvard College Observatory.
*DR ANNIE J. CANNON, Harvard College Observatory.
*PROF. R. S. DUGAN, Princeton University.
*PROF. W. S. EICHELBERGER, Director of the Nautical Almanac, Naval Observatory, Washington.
*MR C. W. ELMER, Southold, Long Island.
*PROF. P. FAIRFIELD, Smith College.
*PROF. C. FURNESS, Director of the Vassar College Observatory.
*PROF. C. H. GINGRICH, Carleton College.
*MISS M. HARWOOD, Director of the Maria Mitchell Observatory.
*DR E. P. HUBBLE, Mt Wilson Observatory.
*DR A. S. KING, Mt Wilson Observatory.
*DR C. O. LAMPLAND, Lowell Observatory.

- *DR W. J. LUYTEN, Harvard College Observatory.
 *DR W. F. MEGGERS, Bureau of Standards, Washington.
 *PROF. S. A. MITCHELL, Director of the Leander McCormick Observatory,
 University of Virginia.
 MISS E. M. MORENUS, Vassar College.
 *DR H. R. MORGAN, Naval Observatory, Washington.
 *PROF. E. J. MOULTON, Northwestern University.
 *PROF. J. J. NASSAU, Case School of Applied Science.
 *PROF. C. P. OLIVIER, Director of the Flower Observatory, University of Penn
 sylvania.
 *REV. E. J. PHILLIPS, S. J., Director of the Georgetown College Observatory.
 *MR D. B. PICKERING, East Orange, New Jersey.
 *MR J. ROBERTSON, Naval Observatory, Washington.
 *PROF. C. E. ROGERS, Trinity College, Hartford.
 *PROF. H. N. RUSSELL, Director of the Princeton University Observatory.
 *DR C. E. ST JOHN, Mt Wilson Observatory.
 DR J. SCHILT, Yale University Observatory.
 *PROF. F. SCHLESINGER, Director of the Yale University Observatory.
 *PROF. H. SHAPLEY, Director of the Harvard College Observatory.
 *PROF. F. SLOCUM, Director of the Van Vleck Observatory, Wesleyan University.
 DR G. VAN BIESBROECK, Yerkes Observatory.
 DR P. VAN DER KAMP, Leander McCormick Observatory.
 *MR W. H. WRIGHT, Lick Observatory.
 DR H. ZANSTRA, Seattle.