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Argentina República Argentina

- GRATTON, Livio, Prof. Dr. A. 257*
Jefe del Departamento de Astrofísica y profesor de la Universidad de La Plata, Argentina (Nacionalidad italiana) - I.A.U.: Comm. 29,35.
- LANDI DESSY, Jorge, Dr. C. 359
Astronomo del Observatorio Cordoba, Argentina.
- PLATZECK, Ricardo P., Dr. A. 358
Acting Director, Observatorio Astronomico de Córdoba, Argentina I.A.U.: Comm. 38.
- SAHADE, Jorge, Dr. A. 440
Astrónomo del Observatorio de Córdoba, Argentina - I.A.U.: Comm. 29,42
- SCONZO, Pasquale, Prof. Dr., A. 190
Astronomo de Primera, Observatorio Astronómico de la Plata, Argentina (Nacionalidad italiana) - I.A.U.: Comm. 20.

Australia Commonwealth of Australia

- ROBERTS, James A. A. 305
Research student, Radio Section, Cavendish Laboratory, Cambridge, England (represents Australia) - I.A.U.: Appointed by Australian National Research Council.
- WOOLLEY, Richard van der Riet Prof. A. 351*
Director Commonwealth Observatory, Mt. Stromlo, Australia - I.A.U.: Comm. 9, 12, 13, 19, 25, 26, 36, 40.

Austria Republik Österreich

- HAUPT, Hermann, Dr. C. 469
Assistent der Universitäts-Sternwarte, Wien, Oesterreich.

Belgio Belgique, België

- AREND, Sylvain, Dr. A. 337
Astronome à l'Observatoire Royal de Belgique, Uccle, Belgique - I.A.U.: Comm. 16, 20
- BOURGEOIS, Paul E. F. Dr. Sc. A. 237*
Directeur de l'Observatoire Royal de Belgique, Bruxelles, Belgique - I.A.U.: Comm. 5, 10, 33, 39, 23.

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- COUTREZ, Raymond, D. Sc., A. 429
Astronome à l'Observatoire Royale de Belgique, Uccle, Belgique -
I.A.U.: Comm. 28
- COX, Jaques, Prof., Dr., A. 123*
Professeur à l'Université de Bruxelles, Belgique - I.A.U.: Comm.
7, 20.
- DELPORTE, Eugène, Dr. A. 376
Directeur Honoraire Observatoire Royal de Belgique, Uccle, Bel-
gique - I.A.U.: Comm. 20
- DERMUL, Amédée A. 384*
Astronome libre. Belgique - I.A.U.: Comm. 5 (Secretary)
- DEURINCK, Roger, Dr. C. 354*
Assistant, Institut Astronomique de l'Université Louvain, Bel-
gique.
- DIGENS, Paul, Prof. Dr. A. 399*
Professeur à l'Université de Gand, Belgique - I.A.U.: Comm. 35
- DRUMAUX, Paul, Prof. C. 255
Professeur à la Faculté des sciences de l'Université de Gand,
Belgique.
- LEDOUX, Paul-Joseph, Dr. A. 291*
Agrégé près la Faculté des sciences, Université de Liège, Institut
d'astrophysique, Belgique - I.A.U.: Comm. 35
- LEMAITRE, Georges, Prof. A. 403
Professeur à l'Université de Louvain, Belgique - I.A.U.: Comm.
28, 35.
- NICOLET, Marcel, Prof., Dr., A. 131*
Chef du service du Rayonnement, Institut météorologique de Bel-
gique, Belgique - I.A.U.: Comm. 12, 22, 40.
- RIGAUX, Fernand, Dr. C. 406
Astronome-adjoint à l'Observatoire Royal de Belgique, Uccle,
Belgique.
- SENGIER-CRESAN, Denise, Mme A. 404
Chargée de recherches à l'Institut d'astrophysique, Liège, Belgique
I. A. U.: désignée par le Comité National Belge d'Astronomie.
- SWINGS, Pol, Prof. A. 357*
Directeur de l'Institut d'Astrophysique de l'Université de Liège,
Belgique - I.A.U.: Comm. 29.
- VANDEKERHOVE, Edgard, Dr. A. 400
Agrégé Astronome à l'Observatoire Royal de Belgique, Uccle,
Belgique - I.A.U.: Comm. 22, 27.

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- VANDERLINDEN, Henri Louis Prof. Dr., A. 275*
Professeur à l'Université de Gand, Directeur de l'Institut d'Astronomie, Belgique - I.A.U.: Comm. 25, 33, 37.
- VAN HOOF, Armand, Prof. A. 393*
Professeur de l'Université de Louvain, Belgique - I.A.U.: Comm. 27, 33.
- VERBAANDERT, Jean, Dr. A. 472
Astronome, Observatoire Royal de Belgique, Uccle, Belgique - I.A.U.: Comm. 8, 31.
- WARZEE, Jean, Dr. A. 338
Astronome à l'Observatoire Royal de Belgique, Uccle, Belgique - I.A.U.: Comm. 23.

Canada Dominion of Canada

- DOUGLAS, A. Vibert, Dr., A. 243
Acting Professor of Astronomy, Queen's University, Kingston, Canada - I.A.U.: appointed by the National Committee for Canada of the I.A.U.
- HEARD, John, F., Prof., A. 158*
Director of the David Dunlap Observatory, Richmond Hill, Ontario, Canada - I.A.U.: Comm. 30.

Cecoslovacchia Republika Ceskoslovenska

- BUCHAR, Emil, Prof. Dr. A. 423
Directeur de l'Institut d'astronomie et de géophysique à l'Université technique de Prague, Czechoslovakia - I.A.U.: Comm. 18, 19.
- GUTH, Vladimir, RN, Dr., A. 316
Director of the Observatory Skalnaté Pleso, Slovak branch of the Central Astronomical Institute, Tatranska Lomnica, Czechoslovakia - I.A.U.: Comm. 17, 20, 20 a, 22.
- LINK, Frantisek, Dr. A. 350
Director, Central Institute of Astronomy, Ondrejov u Prahy, Czechoslovakia - I.A.U.: Comm. 9, 11, 13, 22, 22 a, 33
- NECHVILLE, Vincent, Doc. Dr. A. 407
Docent d'astronomie à l'Université Charles, Prague, Czechoslovakia - I.A.U. Comm. 24
- PEREK, Lubos, Dr. C. 392
Assistant of the Astronomical Institute of the Masaryk University, Brno, Czechoslovakia

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Chile República de Chile

RUIILLANT, Federico, Prof. A. 189
*Director del Observatorio Astronomico de la Universidad de Chile,
Santiago, Chile - I.A.U.: Comm. 12, 20.*

Danimarca Denmark

EDELBERG, Morten, Dr. C. 401
*Chief of Office of the Royal Ministry of the Interior; Secretary
of the Astronomical Society, Copenhagen, Denmark*

JANSSEN, Carl Luplau, Dr. A. 228*
*Director, "Urania" Observatory Copenhagen, Denmark - I.A.U.:
Comm. 16.*

NIELSEN, Axel. A. 101
*Senior Astronomer, Ole Roemer Observatory, Aarhus, Denmark -
I.A.U.: Comm. 22, 27.*

NØRLUND, Niels Erik, Prof. Dr., A. 333*
*Director of the Geodetic Institute, København, Denmark - I.A.U.:
Comm. 18, 31, 41.*

RASMUSEN, Hans Quade A. 386
Denmark - I.A.U. Comm. 20.

RUDKJØBING, Mogens, Dr. Phil. A. 103*
*Amanuensis, Observatory of Copenhagen, Denmark - I.A.U.:
Comm. 36.*

STRÖMGREN, Bengt, Prof. Dr. A. 7*
*Director, Yerkes and McDonald Observatories, Williams Bay,
Wisc., Denmark - I.A.U.: Secretary General .*

VINTER HANSEN, Julie Maric, M. Sc., A. 206
*Senior Astronomer at the Royal Observatory, Copenhagen, Den-
mark - I.A.U.: Comm. 6, 20, Director astronomical Telegram
Bureau.*

Egitto Misr (Egypt)

MADWAR, M. Reda, Prof. A. 332
*Director of Royal Observatory, Helwan, Egypt - I.A.U.: Comm.
18, 28, 31.*

Finlandia Suomi (Finland)

JARNEFELT, Gustaf, Prof. Dr. A. 209
*Director of the Observatory of Helsinki, Finland - I.A.U.: Comm.
23, 36.*

- KUSTAANHEIMO, Paul, Edwin, Dr. A. 339*
Observer at the astronomical Observatory of Helsinki, Finland - I.A.U. Appointed by Finnish National Committee for Astronomy.
- OTERMA, Liisi, F. M. A. 284
Observer at the Observatories of the University of Turku, Finland I.A.U.: Appointed by Finnish National Committee of Astronomy.
- TUOMINEN, Jaakko, Prof. A. 419*
Professor of Astronomy at the University of Helsinki, Finland - I.A.U. Comm. 35.
- Francia République Française**
- ARBEY, Louis, Dr., A. 260
Astronome de l'Observatoire de Paris, France - I.A.U.: Désigné par le Comité National Français d'Astronomie.
- BACCHUS, Pierre, A. 175*
Agrégé de l'Université, Aide Astronome à l'Observatoire de Strasbourg, France - I.A.U.: Désigné par le Comité Français d'Astronomie.
- BALDET, Fernard, Dr. A. 208*
Astronome titulaire, Observatoire de Meudon, Seine-et-Oise, France - I.A.U.: Comm. 5, 15, 22.
- BARBIER, Daniel, Dr. A. 146*
Astronome à l'Observatoire de Paris et à l'Institut d'Astrophysique, France - I.A.U.: Comm. 3, 29, 36.
- BERTAUD, Charles, Dr. A. 264+BB
Astronome adjoint, Observatoire de Meudon (Seine-et-Oise), France - I.A.U. Comm. 15, 29, 34.
- BIGAY, Joseph Henri, Dr. A. 201*
Astronome à l'Observatoire de Lyon, France - I.A.U.: Désigné par l'Académie des Sciences de Paris.
- BLOCH, Marie, Dr., A. 200
Astronome à l'Observatoire de Lyon, France - I.A.U.: Comm. 29.
- BOUGUE, Roger, A. 414
Astronome à l'Observatoire de Toulouse, France - I.A.U.: Désigné par le Comité National Français d'Astronomie.
- BRU, Pierre C. 341
Assistant à l'Observatoire de Strasbourg, France.
- BRUN, Antoine A. 144*
Président de l'Association Française des Observateurs d'Etoiles Variables, Paris, France - I.A.U.: Comm. 27.
- CAMICHEL, Henri, A. 344
Astronome à l'Observatoire du Pic du Midi, Bagnères de Bigorre, France - I.A.U. Comm. 16.

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- CANAVAGGIA, Louise Elisabeth Renée, Dr. A. 369
Aide Astronome à l'Observatoire de Paris, France - I.A.U.,
 Comm. 27.
- CHALONGE, Daniel, Dr. A. 289*
Astronome titulaire de l'Observatoire de Paris, France - I.A.U.:
 Comm. 12, 29, 36.
- CHAZY, Jean, Professeur A. 128*
Membre de l'Académie des Sciences de Paris, Professeur à
la Sorbonne, France - I.A.U. Comm. 7.
- CHOPINET, Marguerite C. 347
Aide-astronome, Observatoire de l'Université de Bordeaux, Cor-
nier à Floirac, France.
- COUDER, André, Dr. A. 281*
Astronome de l'Observatoire de Paris, France - I.A.U. Comm. 2
- COUDERC, Paul, Prof. A. 247*
Astronome à l'Observatoire de Paris, Secrétariat du Comité Fran-
çais d'Astronomie, France - I.A.U.: Comm. 23
- DANJON, André, Prof. A. 4*
Directeur de l'Observatoire de Paris, France - I.A.U.: Vice-Pré-
sident.
- DAUVILLIER, Alexandre, Prof. A. 346
Professeur au Collège de France; Observatoire du Pic du Midi,
Bagnères de Bigorre, France - I.A.U.: Comm. 22.
- D'AZAMBUJA, Henri Lucien, Dr. A. 415*
Astronome à l'Observatoire de Meudon, France - I.A.U. Comm.
 10, 11, 12.
- D'AZAMBUJA, Marguerite, Mme A. 416
Astronome à l'Observatoire de Meudon, France - I.A.U. Comm. 11
- DECAUX, Bernard A. 223*
Conseiller technique du B.I.H., France I.A.U.: Comm. 31.
- DELHAYE, Jean, Dr., A. 145*
Astronome à l'Observatoire de Paris, France - I.A.U.: Désigné
par le Comité National Français d'Astronomie.
- DOLLFUS, Audouin A. 282
Attaché de recherche C.N.R.S., Assistant à l'Observatoire de Meu-
don, France - I.A.U.: Comm. 16.
- DUBOIS-CHEVALIER, Raymonde, Mme A. 398*
Astronome à l'Observatoire de Paris, France - I.A.U.: Comm. 18.
- DUFAY, Jean, Prof. A. 203*
Directeur des Observatoires de Lyon et de Haute Provence, France
I.A.U.: Comm. 9, 15, 22, 25, 34, 36.

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- ESCLANGON, Ernest, Prof. A. 283*
Directeur honoraire de l'Observatoire de Paris, Président du Comité national français d'astronomie - I.A.U.: Comm. 23.
- FAYET, Gaston, Dr., A. 152
Membre de l'Académie des Sciences de Paris, France - I.A.U.: Comm. 4, 8, 18, 20, 31.
- FEHRENBACH, Charles, Prof. A. 231*
Directeur de l'Observatoire de Marseille, Directeur adj. de l'Observatoire de Haute Provence, France - I.A.U.: Comm. 30, 32, 29.
- FLAMMARION, Gabriella, A. 367
Mme G. Camille Flammarion.
Directeur de l'Observatoire de Juvisy, France - I.A.U.: Comm. 22
- FOURNIER, Georges A. 336
Lauréat de l'Institut de France, Secrétaire adjoint de la Société Astronomique de France, Chelles (Seine et Marne), France - I.A.U.: Comm. 16.
- GAUZZI, Junior, Dr. A. 143*
Astronome à l'Observatoire de Lyon, France - I.A.U.: Comm. 22.
- GOUGHENHEIM, André, Ing. A. 116*
Ingénieur hydrographe en chef de la marine; Maître de conférence d'astronomie à l'école polytechnique, Paris, France - I.A.U.: Désigné par le Comité National Français d'Astronomie.
- GUIGAY, Georges, Dr., A. 169*
Astronome à l'Observatoire de Marseille, France - I.A.U.: Comm. 22.
- HERMANN, Renée, Dr., Mme A. 431
Astronome adjoint à l'Observatoire de Paris, Meudon, France - I.A.U.: Comm. 15.
- JACQUINOT, Pierre, Prof. A. 490
Directeur du Laboratoire A. Cotton à Bellevue, Professeur à la Sorbonne de Paris, France - I.A.U.: Commissions mixte de Spectroscopy.
- JONCKHEERE, Robert A. 340
Maître de recherches au Centre Nationale de la Recherche Scientifique, Observatoire de Marseille, France, I.A.U.: Comm. 26.
- KOURGANOFF, Vladimir, Dr., A. 154*
Maître de recherches au Centre National de la Recherche Scientifique, Paris, France - I.A.U.: Comm. 36.
- LACLAVERE, Georges C. 460*
Secrétaire général de l'Union Géodésique et Géophysique Internationale, Paris, France.
- LACROUTE, Pierre, Prof. A. 210*
Directeur de l'Observatoire de Strasbourg, France - I.A.U.: Comm. 8, 29.

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- L'AFFINEUR, Marius, Dr. Ing. A. 300
Directeur de Laboratoire à l'Institut d'Astrophysique de Paris, France - I.A.U.: Comm. 40.
- LALLEMAND, André A. 256*
Astronome à l'Observatoire de Paris, France - I.A.U.: Comm. 9.
- LAUGIER, Marguerite A. 267
Astronome à l'Observatoire de Mice, France, I.A.U.: Comm. 20
- LENOUVEL, François, Agrégé de physique A. 135
Astronome à l'Observatoire de Haute Provence St Michel Basses Alpes, France - I.A.U.: Comm. Désigné par l'Académie des Sciences de Paris.
- LEVY, Jacques, Dr., A. 345*
Astronome à l'Observatoire de Paris, France - I.A.U.: Comm. 8.
- MEYER, Georges Emile, Prof. Dr. A. 372*
Directeur de l'Observatoire d'Alger, France - I.A.U.: Comm. 8, 12, 23.
- MICHARD, Raymond A. 222
Attaché de Recherches, France - I.A.U.: Désigné par le Comité National Français d'Astronomie.
- MINEUR, Henri, Dr. 168
Directeur de l'Institut d'astrophysique de Paris, France - I.A.U.: Comm. 7, 33, 37.
- MULLER, Paul, Dr. A. 241
Astronome à l'Observatoire de Strasbourg, France - I.A.U.: Comm. 25, 26.
- PALOQUE, Emill, Prof., Dr. A. 122*
Directeur de l'Observatoire de Toulouse, France . I.A.U.: Comm. 23, 24.
- PATRY, André A. 292
Astronome à l'Observatoire de Nice, France - I.A.U.: Comm. 20
- PECKER, Jean-Claude, A. 102*
Chargé de recherches, Institut d'astrophysique, Paris, France - I.A.U.: Comm. 36.
- ROSCH, Jean, Dr. A. 325*
Directeur de l'Observatoire du Pic du Midi, Bagnères de Bigorre, France - I.A.U.: Comm. 9.
- SCHATZMANN, Evry, Docteur A. 106*
Institut d'astrophysique de Paris, France - I.A.U.: Comm. 35.
- SCHMITT, Alfred A. 225*
Aide astronome, Observatoire de Strasbourg, France - I.A.U.: Comm. 20. . .

8:

- SEMIROT, Pierre, Dr. A. 348*
Directeur de l'Observatoire de l'Université de Bordeaux, France - I.A.U.: Comm. 8, 23.
- STOYKO, Nicolas, Docteur ès sciences A. 117*
Astronome titulaire de l'Observatoire de Paris, Chef du Bureau International de l'Heure, Paris, France - I.A.U.: Comm. 8, 18, 19, 31.
- TARDI, Pierre, Prof. A. 139
Secrétaire général de l'Association internationale de Géodésie, Paris, France - I.A.U.: Comm. 18, 19, 31.
- VASSY, Etienne, Prof. A. 105*
Prof. de physique de l'atmosphère à la faculté des Sciences de Paris, France - I.A.U.: Comm. pour les relations entre les phénomènes solaires et terrestres et du ciel nocturne.

Giappone Nippon (Japan)

- HAGIHARA, Yusuke, Prof. Dr., A. 180
Director of Tokyo Astronomical Observatory, Professor of Tokyo University, Chairman of Japanese National Committee of Astronomy, Japan - I.A.U.: Comm. 4, 29.
- SUEMOTO, Zenzaburo, Dr., A. 245.
Assistant Professor of Tokyo University (Tokyo Astronomical Observatory) (Japan - I.A.U.: Appointed by National Committee of Astronomy, Science Council of Japan.
- URA, Taro, Prof., C. 360
Assistant Professeur, Maison du Japon, Paris, Japan.
- YAMANOUCHI, Takahiko, Prof. Dr., A. 343
Professor of University of Tokyo, Japan - I.A.U.: Appointed by National Committee of Astronomy, Science Council of Japan.

Germania Deutschland

- BECKER, Friedrich, Prof. Dr., A. 186*
Direktor der Universitäts-Sternwarte, Bonn, Deutschland - I.A.U.: Comm. 29, 32.
- BECKER, Wilhelm, Prof. Dr., A. 134*
Professor für Astronomie and der Universität Hamburg, Deutschland - I.A.U.: Comm. 25, 29, 39.
- BEYER, Max, Dr. h. c., A. 193*
Studienrat, freiwilliger Mitarbeiter der Sternwarte Hamburg-Bergedorf, Deutschland - I.A.U.: Comm. 15.
- BIERMANN, Ludwig, Prof. Dr., A. 221*
Abteilungsleiter am Max-Planck-Institut für Physik, Göttingen Deutschland - I.A.U.: Comm. 14, 29, 35, 36.

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- FRICKE, Walter, Dr., A. 334
Dozent für Astronomie, Sternwarte Hamburg-Bergedorf, Deutschland - I.A.U.: Comm. 33
- GONDO/ATSCH, Friedrich, Dr. A. 370*
Observator am Astronomischen Rechen-Institut in Heidelberg, Deutschland - I.A.U.: Comm. 4.
- GROTRIAN, Walter, Prof. Dr., A. 436*
Direktor des Astrophysikalischen Observatoriums, Postdam, Deutschland - I.A.U.: Comm. 10, 13.
- HAFNER, Hans, Dr. A. 219*
Observator an der Universitäts-Sternwarte, Göttingen, Deutschland - I.A.U.: Comm. 25.
- HARTWIG, Georg, Dr. rer. nat., A. 166*
Leiter der Astronomischen Abteilung des Zeisswerkes, Jena, Deutschland - I.A.U.: Ernannet von der Astronomischen Gesellschaft, Göttingen.
- HECKMANN, Otto, Dr. phil. ord. Prof., A. 188*
Direktor der Hamburger Sternwarte, Hamburg, Deutschland - I.A.U.: Comm. 23, 25, 33.
- JOKSCH, Hans Christoph C. 492
Deutschland
- KIENLE, Hans, Prof. Dr., A. 375*
Direktor der Landerssternwarte zu Heidelberg-Königsstuhl, Deutschland - I.A.U.: Comm. 9, 36.
- KIEPENHUEBER, Karl-Otto, Prof. Dr. A. 126*
Direktor des Fraunhofer Instituts, Freiburg-Schauinsland, Deutschland - I.A.U.: Comm. 10, 11, 13.
- KOPPE, August, Prof. Dr., A. 179
Direktor des Astronomischen Recheninstituts in Heidelberg, Deutschland - I.A.U.: Comm. 4, 5, 8, 20.
- LAMBRECHT, Hermann, Prof. Dr., A. 268
Direktor der Universitäts-Sternwarte, Jena, Deutschland - I.A.U.: Comm. 34.
- LARINK, Johannes, Prof. Dr., A. 192*
Hauptobservator, Sternwarte Hamburg-Bergedorf, Deutschland - I.A.U.: Comm. 8.
- MICZAIKA, Gerhard, Dr., A. 172
Wissenschaftl. Assistent an der Badischen Landessternwarte, Heidelberg-Königsstuhl, Deutschland - I.A.U.: Comm. 29.
- SCHILLER, Karl, Dr., A. 433
Direktor der Universitäts-Sternwarte, Frankfurt a/M, Deutschland - I.A.U.: Ernannet von der Astronomischen Gesellschaft, Göttingen.

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- SCHMEIDLER, Felix, A. 261
*Dozent für Astronomie, München, Deutschland - I.A.U.: Ernann
von der Astronomischen Gesellschaft, Göttingen.*
- SCHMIDT, Hans, Dr., A. 224
*Assistent an der Sternwarte und Dozent an der Universität Bonn,
Deutschland - I.A.U.: Ernann von der Astronomischen Gesell-
schaft, Göttingen.*
- SCHOENBERG, Erich, Prof. Dr., A. 324
*Direktor der Universitäts-Sternwarte, München, Deutschland -
I.A.U.: Comm. 20.*
- SIEDENTOPF, Heinrich, Prof. Dr., A. 263
*Direktor der Universitäts-Sternwarte Tübingen, Deutschland -
I.A.U.: Ernann von der Astronomischen Gesellschaft.*
- STRASSL, Hans, Dr., A. 313*
*Observator an der Universitäts-Sternwarte, Bonn, Deutschland
I.A.U.: Comm. 36.*
- STROBEL, Willi, Dr., A. 483
*Astronomischen Recheninstitut, Heidelberg, Deutschland - I.A.U.:
Comm. 20.*
- TEN BRUGGENCATE, Paul, Prof. Dr., A. 153*
*Direktor der Universitäts-Sternwarte, Göttingen, Deutschland -
I.A.U.: Comm. 12, 36.*
- THIESSEN, Georg, Dr., A. 142*
*Wissenschaft. Assistent der Hamburger Sternwarte, Deutschland
I.A.U.: Comm. 12.*
- UNSOLD, Albrecht, Prof. Dr., A. 194*
*Direktor der Sternwarte Kiel, Deutschland - I.A.U.: Comm. 11,
29, 36.*
- VON WEIZSACKER, Carl Friedrich, Prof. Dr., A. 473*
*Abteilungsleiter, Max Planck Institut für Physik, Göttingen,
Deutschland - I.A.U.: Ernann von der Astronomischen Gesell-
schaft, Göttingen.*
- WACHMANN, Arthur Arno, Dr., A. 236*
*Observator an der Hamburger Sternwarte, Bergedorf, Deutschland
I.A.U.: Comm. 27.*
- WELLMANN, Peter, Dr., A. 437*
*Observator der Hamburger Sternwarte, Hamburg-Bergedorf, Deut-
schland - I.A.U.: Comm. 29.*
- WILKENS, Alexander, Prof. C. 191*
Direktor der Universitäts-Sternwarte in München, Deutschland.
- WURM, Karl A., Prof. Dr., A. 246*
*Observator, Sternwarte Hamburg-Bergedorf, Deutschland - IAU
Comm. 15, 29.*

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Great Britain United Kingdom of Great Britain and Northern Ireland.

- ADAM, Madge Gertrude, Dr., Miss. A. 266*
University demonstrator in astronomy, Oxford University Observatory, Great Britain - I.A.U.: Comm. 36.
- ALEXANDER, Arthur Francis O'Donel, M.A., F.R.A.S., Dr., A. 113*
Director, Jupiter Section of British Astronomical Association, Great Britain - I.A.U.: Comm. 16.
- ALLEN, Clabon Walter, Prof., A. 133
Professor of astronomy, University College, London, Great Britain - I.A.U.: Comm. 3, 10, 11, 13, 36.
- ATKINSON, Robert d'E., Dr., A. 259*
Chief Assistant, Royal Observatory, Greenwich, Great Britain - I.A.U.: Comm. 8, 35.
- BEER, Arthur, Dr. A. 365*
Senior Observer, University of Cambridge Observatory, Great Britain - I.A.U.: Comm. 29, 42.
- BLACKETT, Patrick Maynard Stuart, Prof., A. 124.
Director Physics Laboratory, University of Manchester, Great Britain - I.A.U.: Comm. 40.
- BLACKWELL, Donald Eustace, Dr., A. 356*
Assistant Director, Solar Physics Observatory, Cambridge, Great Britain - I.A.U.: Appointed by British National Committee of Astronomy.
- BONDI, Hermann, M. A., A. 439
University Lecturer in Mathematics, Cambridge, Great Britain - I.A.U.: Comm. 19, 35.
- CAMM, George Leslie, Dr., A. 262*
Dept. of Mathematics, the University, Manchester, Great Britain I.A.U.: Comm. 33.
- COWLING, Thomas, George, Prof. A. 417
Professor of Leeds University, Great Britain - I.A.U.: Comm. 35.
- DEWHIRST, David William, Mr., A. 248
Assistant Observer, Cambridge Observatories, Director, Solar Section of British Astronomical Association, Great Britain - I.A.U.: Appointed by British National Committee of Astronomy.
- DINGLE, Herbert, Prof. A. 364
President, Royal Astronomical Society London, Great Britain - I.A.U.: Comm. 41.
- ELLISON, Marvyn Archdall, Dr., A. 118*
Principal Scientific Officer, Royal Observatory, Edinburg, Great Britain - I.A.U.: Comm. 11.

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Senior Lecturer in Applied Mathematics, University of Liverpool,
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- FRASER, Ronald, Dr. C. 233
Liaison Officer, ICSU-UNSECO, Great Britain.
- GOLD, Thomas, Mr., A. 488
University Demonstrator in Physics, Great Britain - I.A.U.:
appointed by British National Committee for Astronomy.
- GREAVES, William Michael Herbert, Prof., A. 185*
Astronomer Royal for Scotland Edinburgh, Great Britain -
I.A.U.: Comm. 25, 29, 36.
- HOYLE, Fred A. 109*
Fellow of St. John's College, Cambridge, Great Britain - I.A.U.:
Comm. 35.
- JACKSON, John, Dr., A. 177*
Former Director of Royal Observatory, Cape of Good Hope,
Great Britain - I.A.U.: Comm. 8, 23, 24.
- KINMAN, Thomas David, Mr., C. 187
Demonstrator in Astronomy, Oxford University, Great Britain.
- KOPAL, Zdenek, Prof. Dr., A. 173*
Professor of Astronomy at the University of Manchester, Great
Britain (American citizenship) - I.A.U.: Comm. 22, 27, 42.
- MCBAIN, Flora Munrè, Miss, A. 485
Principal Scientific Officer, H. M. Nautical Almanac Office,
Royal Greenwich Observatory, Great Britain - I.A.U.: Comm. 3,
17.
- MCCREA, William Hunter, A. 105
Professor of Mathematics, University of London, Royal Holloway
College, Great Britain - I.A.U.: Comm. 3, 35, 36.
- MERTON, Gerald, Dr., A. 265
Assistant, University Observatory, Oxford, Great Britain - I.A.U.:
Comm. 15, 20.
- MESTEL, Leon, Dr., A. 196
Research Fellow, Dept. of Mathematics, University of Leeds,
Great Britain - I.A.U.: Appointed by British National Committee
of Astronomy.
- MIDDLEHURST, Barbara, M. A., Miss, A. 111
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I.A.U.: Appointed by British National Committee of Astronomy.
- NEWTON, Harold William, Mr., A. 331*
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Comm. 10, 11.

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- PAGET, Bernard E. J., Mr., A. 163
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- PEARSE, Reginald William Blake, A. 342
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- PIRANI, F.A.E., Dr., A. 164
Royal Society of Canada Research Scholar at Trinity College, Cambridge, Great Britain (Canadian citizenship) - I.A.U.: Appointed by British National Committee of Astronomy.
- RAMSEY, William Henderson, Dr., C. 435
Lecturer in University of Manchester, Great Britain
- REDMAN, Roderick, O., Prof., A. 165
Director of the Cambridge University Observatoires, Great Britain - I.A.U.: Comm. 9, 25, 29, 32, 36, 39.
- ROBBINS, Alexander Ch. F.R.A.S., B.H.I., C. 217
Fellow of Royal Astronomical Society & representing several members, Great Britain.
- RYLE, Martin, A. 295*
Lecturer in Physics, Cavendish Laboratory, Cambridge, Great Britain - I.A.U.: Comm. 40
- SALDER, Donald H., A. 269
Superintendent of H. M. Nautical Almanac Office, Herstmonceux Castle near Hailsham, Sussex, Great Britain - I.A.U.: Comm. 3, 4, 7, 17, 20.
- SCIAMA, Dennis William, Nr., A. 162
Research student at Trinity College, Cambridge, Great Britain - I.A.U.: app. by Brit. Nat. Committee of Astronomy.
- SISSON, George Macfarlan, A. 229
General Manager, Sir Howard Grubb, Parsons & Co., Newcastle-on-Tyne, Great Britain - I.A.U.: Appointed bu British National Committee for Astronomy.
- SPENCER-JONES, Harold, Sir., A. 149*
Astronomer Royal, Director of the Royal Greenwich Observatory, Past President I.A.U., Great Britain - I.A.U.: Comm. 6, 8, 18, 19, 20, 23, 31, 39, 41.
- STEAVENTSON, William H., Dr., A. 329
Member of British National Committee for Astronomy, Great Britain - I.A.U.: Comm. 26.
- STRATTON, Frederick John Marrian, Prof. A. 108
Professor emeritus of astrophysics, University of Cambridge, Great Britain - I.A.U.: Comm. 38, 10, 13, 29.

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- THACKERAY, Andrew D., Dr., A. 244
Director of Radcliffe Observatory, Pretoria, S. Africa, Great Britain - I.A.U.: Comm. 29, 30, 36.
- VON KLÜBER, Harald, Dr. Phil., A. 220*
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- WATERFIELD, Reginald I., Dr., A. 379
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- WAYMAN, Patrick Arthur, C. 290
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- WHITROW, Gerald James, Dr., A. 302*
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- WILCOCK, William Leslie, Dr., C. 125
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Astronome à l'Observatoire d'Athènes, Grèce - I.A.U.: Comm. 11.

India Union of India

- DAS, Anil Kumar., M. Sc., D. Sc., F.R.A.S., F.N.I. A. 178
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- ARGUE, Arnold Noel, A. 402
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- BRUCK, Hermann A., Prof. Dr., A. 175
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- BRUCK, Mary T., Dr., A. 159
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- BUTLER, Hugh Ernest, Dr., A. 377*
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Italia

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AMALDI, Edoardo, Prof. A. 11
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ARANCIO-RUIZ, Vincenzo, Prof. A. 12
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ARMELLINI CONTI, Gabriella, Dott. A. 363
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ARRIGHI, Gino, Prof. Ing. C. 216
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BALLARIO, Maria Cristina, Prof. A. 306
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BARBATELLI, Riccardo, Dott. C. 293
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BARTOLOTTA, Francesco, Dott. A. 14
Capo di gabinetto alla Presidenza del Consiglio dei Ministri, Roma, Italia - I.A.U.: Member of Italian Organising Committee.

BILANCINI, Raoul, Prof. C. 391
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- CARNERA, Luigi, Prof. A. 498
Direttore emerito dell'Osservatorio astronomico di Napoli, Italia - I.A.U.: Comm. 8, 19.
- CARDINALI, Giuseppe, Prof. A. 16
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- CASSINIS, Gino, Prof. A. 17
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- CAVEDON, Mario, Dott. A. 326
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- CECCHERINI, Riccardo Vittorio, Dott. Ing. A. 34*
Addetto alla Segreteria generale del Consiglio nazionale delle ricerche, Roma, Italia - I.A.U.: Member of Italian Organising Committee.
- CECCHINI, Gino, Prof., A. 18*
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- CESTER, Bruno, Dott., C. 458
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- CIALDEA, Renato, Prof., C. 487
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- CHIARA, Luciano, Dott., C. 374
Direttore inc. dell'Osservatorio astronomico dell'Università di Palermo, Italia.
- CIMINO, Massimo, Prof., A. 170*
Astronomo presso l'Osservatorio astronomico di Monte Mario, Roma, Italia - I.A.U.: Comm. 10.
- COLACHEVICH, Attilio, Prof., A. 19*
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- COLONNETTI, Gustavo, Prof., A. 9
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- CUTOLO, Mario, Dott. C. 137
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- DE CARO, Eugenio, Prof., A. 328*
Direttore inc. dell'Osservatorio astrofisico di Catania, Italia - I.A.U.: Comm. 23^a.

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Italia C. 409
- DE STROBEL, Giuseppina, Dott.,
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- FORTINI, Teresa, Dott.,
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- FRACASTORO, Mario Girolamo, Prof.,
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- FRESA, Alfonso, Dott.
Astronomo aggiunto, Osservatorio astronomico di Capodimonte Napoli, Italia - I.A.U.: Appointed by National Research Council. A. 294
- GALLINA, Pietro, Ten. Col., Dott.
Geodeta-Astronomo dell'Istituto Geografico Militare, Firenze, Italia. C. 303
- GENNARO, Antonino, Prof.
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- GIALANELLA, Lucio, Prof.,
Vice-direttore dell'Osservatorio astronomico di Roma, Italia - I.A.U.: Comm. 16. A. 33*
- GIANNUZZI, Maria Antonietta, Dott.,
Aiuto nell'Osservatorio astronomico di Monte Mario, Roma, Italia - I.A.U.: Appointed by National Research Council. A. 121
- GIRAUDO, Matteo,
*(in religione P. Pier Angelo O.F.M.)
Lettore in Sacra Teologia, Convento S. Maria degli Angeli, Cuneo, Italia.* C. 486
- GODOLI, Giovanni, Dott.,
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- GRUBISSICHI, Claudio, Dott.,
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- GUOTTA, Beniamino, Prof.,
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- HACK, Margherita, Dott.,
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- HORN D'ARTURO, Guido, Prof. A. 20*
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- KRANJC, Aldo, Dott. A. 426*
Astronomo aggiunto, Osservatorio di Brera, Milano, Italia - I.A.U.: Appointed by National Research Council.
- KRÜGER, Emilio Camillo, Prof. A. 371
Direttore Sezione ricerche, Vita Mayer & Co., Milano, Italia - I.A.U.: Comm. 9, 29.
- LACCHINI, Giovanni Battista, Dott. A. 454
Astronomo aggiunto, Osservatorio astronomico di Trieste, Italia - I.A.U.: Comm. 27.
- LEONE, Salvatore, Dott. C. 373
Aiuto nell'Osservatorio dell'Università di Palermo, Italia.
- LOMBARDI, Cesare, Dott. C. 388
Vice segretario della Società Astronomica Italiana, Osservatorio astronomico di Brera, Milano, Italia.
- MANNINO, Giuseppe, Dott. A. 464
Aiuto presso l'Osservatorio astronomico di Asiago, Italia - I.A.U.: Appointed by National Research Council.
- MARTIN, Ettore Leonida, Prof. A. 22
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- MARUSSI, Antonio, Prof. C. 410*
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- MASANI, Alberto, Dott. A. 327
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- MEDI, Enrico, Prof. A. 23
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- MIGONE, Bartolomeo, Dott. A. 24
Direttore generale per le relazioni culturali con l'estero, Ministero degli Affari Esteri, Roma, Italia - I.A.U.: Member of Italian Organising Committee.
- MISSANA, Natale, Dott. A. 202*
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- MORELLI, Antonio, Dott. A. 25
Segretario generale del Consiglio nazionale delle ricerche, Roma, Italia - I.A.U.: Member of Italian Organising Committee.

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- NICCOLINI, Tito, Dott. A. 385*
Astronomo presso l'Osservatorio astronomico di Capodimonte, Napoli, Italia - I.A.U.: Comm. 19.
- ORSENGO, Camillo, Dott. Ing. C. 355
Italia.
- PACELLA, Giovan Battista, Prof. C. 428
Ingegnere geografo capo dell'Istituto Geografico Militare, Firenze, Italia.
- PEISINO, Giovanni, Prof. A. 424
Direttore inc. dell'Osservatorio astronomico di Collurania, Teramo, Italia - I.A.U.: Comm. 18.
- PETROCCHI, Giuseppe, Dott. A. 26
Direttore generale per l'istruzione superiore, Ministero pubblica istruzione, Roma, Italia - I.A.U.: Member of Italian Organising Committee.
- PICONE, Mauro, Prof. A. 27
Direttore dell'Istituto nazionale per le applicazioni del calcolo del C.N.R., Roma, Italia - I.A.U.: Member of Italian Organising Committee.
- PINTO, Girolamo, Dott. C. 430
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- RABBENO, Giorgio, Prof. Ing. C. 462
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- RANZI, Umberto, Dott. Ing., C. 307
Geofisico presso l'Ufficio Centrale di Meteorologia, Roma, Italia.
- REBECCHINI, Salvatore, Prof. Ing. A. 28
Sindaco di Roma, Italia - I.A.U.: Member of Italian Organising Committee.
- RIGHINI, Guglielmo, Prof. A. 29
Segretario del « Convegno Volta », Italia - I.A.U.: Member of Italian Organising Committee.
- RIGUTTI, Mario, Dott. A. 381
Assistente alla cattedra di astronomia, Osservatorio astrofisico di Arcetri, Italia - I.A.U.: Appointed by National Research Council.
- ROMANO, Giuliano, Dott. C. 120
Ricercatore indipendente, socio della Società astronomica italiana, Italia.
- ROSINO, Leonida, Prof. A. 119*
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SEVERI, Francesco, Prof. A. 30
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SILVA, Giovanni, Prof. A. 31
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TEMPESTI, Piero, Dott. A. 214
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VITRANO, Autouino, Dott. A. 35
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VOLTA, Luigi, Prof. A. 32*
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VOITERRA, Tito C. 389
Studente, Roma, Italia.

ZAGAR, Francesco, Prof. A. 10*
Direttore dell'Osservatorio astronomico di Brera (Milano) e Merate (Como), Italia - I.A.U.: Comm. 5, 20, 37 - Vice President of Italian Organising Committee.

Jugoslavia

Federativna Narodna Republika Jugoslavija (F.N.R.J.)

MICHKOVITCH, Voislav, Prof. Dr., A. 176
Director of the Belgrade Observatory, Member of the Serbian Academy of Sciences, Jugoslavija - I.A.U. Comm. 19, 20.

NIKOLIC, Djordje, Dr. A. 352
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Libano République du Liban

CONTINO, Giorgio, Prof. Dr. C. 330
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HARO, Guillermo, Prof. A. 481
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PISMIS DE RECILLAS, Paris, Dr. C. 390*
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baya, Mexico.*

Norvegia Norge

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the Astronomic Saction of the International Association of Geo-
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ROSSELAND, Svein, Prof. Dr. A. 349
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lands - I.A.U.: Joint Commission for Spectroscopy.*

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nal Council of Astronomy.*

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- AERT, Marcel Gilles Jozef, Prof. Dr. A. 114
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- MULLER, Andreas Bernardus, Drs. A. 418
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- OORT, J. H., Prof. A. 465
Director of the Observatory of Leiden, The Netherlands - I.A.U. Comm. 23, 28, 32, 33, 34, 39
- OOSTERHOFF, Pieter Theodorus, Prof. A. 8*
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- RAIMOND, Jean-Jacques, Dr., A. 112*
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- VAN HERK, Gijsbert, Dr.** A. 271
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- ZANSTRA, Herman, Prof.** A. 140
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- IWANOWSKA, Wilhelmina, Prof. Dr.** A. 442
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- RYBKA, Eugeniusz, Prof. Dr.** A. 312
Director of the Observatory of Wroclaw University, Poland - I.A.U. Comm. 25.

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- CONCEIÇÃO, SILVA, Eugenio, Prof.** A. 239
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- NUNES, Rogerio S. S.** A. 273
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- PEREIRE DE BARROS, M. G., Dr.** A. 272
Assistente, Universidade do Porto, Portugal - I.A.U.: Comm. 19.
- PERES JUNIOR, Manuel Antonio** A. 408
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Membre honoraire de l'Académie Roumaine et de l'Institut de Coimbre; Fondateur et ancien directeur de l'Observatoire d'Astronomie Physique de Dondossary Vechi. - I.A.U.: Comm. 22.

**Russia (U. R. S. S.)
Soujus Sozialisticeskikh Sovietskikh Respublik (S. S. S. R.)**

AMBARTSUMIAN, Victor A., Prof. Dr. A. 3
President, Academy of Sciences, Armenian SSR, Erevan, USSR - I.A.U.: Vice-President.

KHARADSE, Eugene, Prof. Dr. A. 444
Director, Abastumany Astrophysical Observatory, USSR - I.A.U.: Comm. 32, 34.

KUKARKIN, Boris, Prof. Dr., A. 445
Director, Sternberg Institute of Astronomy, Moscow, USSR - I.A.U.: Comm. 6, 27.

KULIKOVSKY, Peter, Dr. A. 446
Lecturer at the Moscow University, USSR - I.A.U.: Comm. 27.

MARTYNOV, Dimitry, Prof. Dr. A. 447
Director, Engelhardt Observatory, Kazan, USSR - I.A.U.: Comm. 5, 27, 42.

MASFEVISH, Alla, Dr. C. 452
Senior scientific collaborator at the Sternberg Astronomical Institute, Moscow, USSR.

MELNIKOV, Oleg, Prof. Dr. A. 448
Dept. Head, Pulkovo Observatory, Leningrad, USSR - I.A.U.: Comm. 9, 12, 29, 36.

NEMIRO, Andrew, Dr. A. 443
Senior assistant, Pulkovo Observatory, Leningrad, USSR - I.A.U.: Comm. 8.

ORAEVSKY, Paul, Dr. A. 449
Scientific collaborator, USSR Academy of Sciences Moscow, USSR - I.A.U.: Appointed by USSR National Committee for Astronomy.

RIABOV, Jury, Dr. C. 453
Senior scientific collaborator at the Sternberg Astronomical Institute, Moscow, USSR.

SEVERNY, Andrew, Prof. Dr. A. 450
Director, Simeis Observatory, Crimea, USSR - I.A.U.: Comm. 35.

ZVEREV, Mitrophan, Prof. Dr. A. 451
Asst. Director, Pulkovo Observatory, Leningrad, USSR - I.A.U. Comm. 8, 31.

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Spagna España

- ARMENTER DE MONASTERIO, Federico Prof. A. 315*
Presidente de la Sociedad Astronomica de España y America, Barcelona, España - I.A.U.: Nominado por el Comité Nacional de Astronomia de España.
- BARCELO, José, Dr. C. 461
Espectros moleculares en el Instituto de Optica del Consejo Superior de Investigaciones Cientificas, Madrid, España.
- BENITEZ INGLOTT, Wenceslao, Contreadmiral, A. 270*
Directeur de l'Observatoir de San Fernando, España - I.A.U.: Comm. 4, 23.
- CARDUS, J. Oriol, R. P., A. 387
Jefe sección solar del Observatorio del Ebro, Tortosa, España - I.A.U.: Nominado por el Comité nacional español de astronomia.
- CARRASCO, Rafael, Prof. Dr., A. 468*
Sub-Director del Observatorio de Madrid, España - I.A.U.: Comm. 20.
- GALDON, Eduardo, R. P., A. 386
Asistente del Observatorio del Ebro, Tortosa, España - I.A.U.: Nominado por el Comité nacional español de astronomia.
- GULLON, Enrique, Dr. A. 467*
Astronomo del Observatorio de Madrid, España - I.A.U.: Comm. 10,11.
- PLANELLES, Vicente A. 258
Jefe de sección del Observatorio de San Fernando, España - I.A.U.: Comm. 8.
- ROMANA, Antonio, Dr., S. J., A. 249
Director del Observatorio del Ebro, España - I.A.U.: Comm. 10,11.
- RUBIO, Antonio A. 479*
Inspector del Cuerpo de Ingenieros Geógrafos, Madrid, España - I.A.U.: Designado por la Comisión Nacional Española.
- SERINANELL, Manuel C. 250
España
- TINOCO, José, Dr., A. 466
Director del Observatorio de Madrid, España - I.A.U.: Comm. 31.
- TORROJA, José M., Dr., A. 150
Prof. Universidad de Madrid, España - I.A.U.: Comm. 13.
- Stati Uniti d'America United States of America (U.S.A.)
- ALDEN, Harold Lee, Prof., A. 286
Director Leander McCormick Observatory, University of Virginia, Charlottesville, Va., U.S.A. - I.A.U.: Comm. 24,33.

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- BAADE, Walter, Dr., A. 181
Staff member, Mount Wilson and Palomar Observatories, Pasadena, Cal., U.S.A. - I.A.U.: Comm. 25, 28, 32, 33, 34, 37, 39.
- BINNENDIJK, Leendert, Dr., A. 383*
Director of the Goodsell Observatory, Northfield, Minn., U.S.A. - I.A.U.: Comm. 37. (Dutch citizen).
- BOBROVNIKOFF, Nicholas T., Prof. Dr., A. 480
Professor, Ohio State University, U.S.A. - I.A.U.: Comm. 15.
- BOWEN, Ira Sprague, Prof., A. 182
Director of the Mount Wilson and Palomar Observatories, Pasadena, Cal., U.S.A. - I.A.U.: Comm. 9, 34, 39.
- BOYD, Constance D., Miss, C. 298
Staff member, Massachusetts Institute of Technology; Member of the American Astronomical Society, Arlington, Mass., U.S.A.
- BROUWER, Direk, Prof., A. 297
Director, Yale University Observatory, New Haven, Conn., U.S.A. - I.A.U.: Comm. 4^a, 7, 8^a, 17, 20, 42.
- CARPENTER, Martha Stahr, Prof. Dr. A. 471
Assistant Professor of Astronomy, Cornell University, U.S.A. - I.A.U.: Comm. 40.
- CLEMENCE, Gerald M. A. 276
Director, US Nautical Almanac, US Naval Observatory, Washington D. C., U.S.A. - I.A.U.: Comm. 4, 7, 20.
- DODSON, Helen W., Dr., A. 318
Associate Professor of Astronomy, University of Michigan, Pontiac, U.S.A. - I.A.U.: Comm. 11.
- DUNHAM, Theodore Jr., Dr. A. 395
Research associate, Harvard College Observatory; Research associate, University of Rochester; Scientific Director, Fund for Astrophysical Research, Inc., Rochester, N. Y., U.S.A. - I.A.U.: Comm. 9, 29, 34, 36.
- ECKERT, Wallace John, Dr., A. 432*
Director Pure Science International Business Machines Corporation, New York, U.S.A. - I.A.U.: Comm. 1, 17, 20, 39.
- EDMONDSON, Frank K., Dr. A. 319
Director of the Goethe Link Observatory, Chairman of the Astronomy Dept., Indiana University, Bloomington, U.S.A. - I.A.U.: Comm. 20, 30.
- FORD, Clinton B., Mr. A. 378*
Asst. Director, ORDWES Laboratories, Wesleyan University, Windsor Locks, Conn.; Secretary, American Association of Variable Stars, U.S.A. - I.A.U.: Appointed by American Astronomical Society.

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- GOSSNER, Joseph L., A.B., M.A. ? C. 151
Astronomer, US Naval Observatory, Washington, D. C., U.C.A.
- GOSSNER, Simone Daro, Mrs., Lic. Sc., M. A., C. 136
Astronomer US Naval Observatory, Washington D. C., U.S.A.
- HALL, John S., Dr. A. 232
Director, Equatorial Division, US Naval Observatory, Washington, D. C., U.S.A. - I.A.U.: Comm. 25, 34, 36.
- HARRISON, George R., Dr. A. 107*
Dean, School of Science, U.S.A. - I.A.U. Comm. 14.
- HARWOOD, Margaret, Miss, A. 110*
Director of Maria Mitchell Observatory, Nantucket, Mass., U.S.A. - I.A.U.: Comm. 27.
- HERRICK, Samuel Dr. A. 421
Professor of astronomy, University of California, Los Angeles, Cal., U.S.A. - I.A.U.: Comm. 7.
- HUTTER, Charles Morse, Prof., A. 198*
Secretary of the American Astronomical Society, Washburn Observatory, Madison, Wisc., U.S.A. - I.A.U.: Comm. 42.
- JACCHIA, Luigi, Dr. A. 199
Research Associate, Harvard College Observatory; Research Associate, Massachusetts Institute of Technology, Cambridge, Mass., U.S.A. - I.A.U.: Comm. 22.
- JENKINS, Francis A., Prof. Dr. A. 314*
Professor of Physics, University of California, Berkeley, U.S.A. - I.A.U.: Joint Commission on Spectroscopy.
- KAPLAN, Joseph, Prof. Dr. A. 147
Professor of Physics, University of California, Los Angeles, U.S.A. - I.A.U.: Comm. 22.
- KUIPER, Gerard P., Prof. A. 288*
Professor of Astronomy, University of Chicago, Director of the Yerkes Observatory, Williams Bay, Wis, U.S.A. - I.A.U.: Comm. 16, 24, 26, 33, 36, 42.
- MARKOWITZ, William, Dr. A. 278
Astronomer, US Naval Observatory, Washington, D. C., U.S.A. - I.A.U.: Comm. 19.
- MATTHEWS, Thomas A. A. 484
Harvard College Observatory, Cambridge, Mass., U.S.A. - I.A.U.: Appointed US National Committee I.A.U.
- MAYALL, Margaret Walton, Mrs A. 320*
Pickering Memorial Astronomer & Recorder AAVSO, Harvard College Observatory, Cambridge, Mass., U.S.A. - I.A.U.: Comm. 27, 29.

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- MCDONALD, Sophia I., Prof. Dr. A. 478
Professor of Mathematics, Berkeley, Cal., U.S.A. - I.A.U. Comm.
20.
- MEGGERS, William F., Dr. A. 240*
Chief, Spectroscopy Section, National Bureau of Standards, Washington D. C. U.S.A. - I.A.U.: Comm. 14.
- MOORE-SITTERLY, Charlotte, Mrs. A. 205
Physicist, National Bureau of Standards, Washington, D. C., U.S.A. - I.A.U.: Comm. 14. (Wife to: SITTERLY, Bancroft W., Professor.)
- NASSAU, Jason John, Prof. A. 285*
Director of Warner & Swasey Observatory, Case Institute of Technology, Ohio, U.S.A. - I.A.U.: Comm. 29, 37.
- PAGE, Thornton Leigh, Dr., A. 301
Deputy Director, Operations Research Office, The Johns Hopkins University, Chevy Chase, Maryland, U.S.A. - I.A.U.: Comm. 28.
- RICE, Donald A., Mr. A. 225
Chief, Section of Gravity and Astronomy, US Coast and Geodetic Survey, U.S.A. - I.A.U.: Comm. 18, 19.
- RICHARDSON, David, Mr. C. 160
Head, Spectroscopy Research Deptmt., Scientific Bureau, Bausch & Lomb Optical Company, New York, U.S.A.
- ROACH, Franklin E., Dr. A. 396
Research Physicist, US Navy Dept., Washington, D. C., U.S.A. - I.A.U.: Appointed by National Research Council
- SAVEDOFF, Malcolm Paul, Dr. A. 218*
US National Science Post-Doctoral Fellow at Leiden Observatory, U.S.A. - I.A.U.: Appointed by US National Committee of Astronomy.
- SCHWARZSCHILD, Martin, Prof., A. 195
Professor of Astronomy, Princeton University Observatory, U.S.A. - I.A.U.: Comm. 35.
- SHANE, C. D., Dr. A. 438*
Lick Observatory, Mt. Hamilton, Cal. U.S.A. - I.A.U.: Comm. 23, 36.
- SHAPLEY, A. H., Mr., A. 317
Physicist, National Bureau of Standards, Washington D. C., U.S.A. - I.A.U.: Comm. 10.
- SHAPLEY, Harlow, Dr., A. 474
Director of Harvard Observatory, Cambridge, Mass., U.S.A. - I.A.U.: Comm. 27, 39.

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- SHAPLEY, Marthe B., M.
Research Staff member Massachusetts Institute of Technology, U.S.A. - I.A.U.: Comm. 27, 41. (Wife to: SHAPLEY, Harlow, Dr.).
- SHORTLEY, George, Dr., A. 184
Deputy Director, Operations Research Office, John Hopkins University, U.S.A. - I.A.U.: Comm. 14.
- SINGER, S. F., Dr., C. 434
Physicist, US Embassy London, U.S.A.
- SITTERLY, Bancroft W., Dr., A. 204
Professor, The American University, Washington, D. C., U.S.A. - I.A.U.: Appointed by US National Committee on Astronomy, National Research Council.
- SMITH, Eilske v. P., Mrs. C. 157
Student at Harvard College Observatory, Cambridge, Mass., U.S.A. (Wife to: SMITH, Henry J.).
- SMITH, Henry J., Mr. C. 156
Student at Harvard College Observatory, Cambridge, Mass., U.S.A.
- SOLLENBERGER, Paul A. 279
Director, Time Service, US Naval Observatory, Washington, D. C., U.S.A. - I.A.U.: Comm. 18, 19, 31.
- STRUVE, Otto, Dr. A. 5
Director of the Leuschner Observatory, University of California, Berkely, Cal., U.S.A. - I.A.U.: Vice-President.
- SWENSSON, John Walter, Dr. A. 405
Research assistant, Institut d'astrophysique de l'Université de Liège, U.S.A. - I.A.U.: Désigné par Comité National Belge d'Astronomie, Appointed by US National Committee for Astronomy.
- SWOPE, Henrietta H., Miss, A. 297*
Research assistant, Mt. Wilson & Palomar Observatories, Pasadena, Cal., U.S.A. - I.A.U.: Appointed by American Astronomical Society.
- THOMAS, Richard Nelson, Prof. A. 287
Associate Professor of Astrophysics, University of Utah, U.S.A. - I.A.U.: Comm. 13, 35.
- VAN BIESBROEK, George, Prof. A. 138
Astronomer emer., Yerkes Observatory, Williams Bay, Wisc., U.S.A. - I.A.U.: Comm. 13, 15, 20, 26.
- WATTS, Chester B. A. 277*
Astronomer, US Naval Observatory, Washington, D. C., U.S.A. - I.A.U.: Comm. 8, 9, 17.

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- WEAVER, Harold F., Dr. A. 361*
Associate Professor of Astronomy, University of California,
Berkeley, U.S.A. - I.A.U.: Comm. 25, 27, 29.
- WHIPPLE, Fred, I., Dr. A. 470*
Chairman, Department of Astronomy, Harvard University,
U.S.A. - I.A.U.: Comm. 20, 22.
- WOOD, Frank Bradshaw, Dr. A. 411
Executive Director of the Flower and Cook Observatories of the
University of Pennsylvania, Philadelphia, Pa., U.S.A. - I.A.U.:
Comm. 27, 42.

Stato della Città del Vaticano Vatican City State

- DE KORT, Jules, Dr. A. 253
Assistente alla Specola Vaticana, Castel Gandolfo, Città del
Vaticano (Cittadinanza olandese) - I.A.U.: Designato dal Co-
mitato Nazionale di Astronomia dello Stato della Città del Va-
ticano.
- GATTERER, Alois, Dr. Phil. A. 254
Direttore del Laboratorio Astrofisico della Specola Vaticana,
Castel Gandolfo, Città del Vaticano (Cittadinanza austriaca) -
I.A.U.: Comm. 22; Joint Commission on Spectroscopy.
- JUNKES, Joseph, Dr. A. 21
Vice-direttore della Specola Vaticana, Castel Gandolfo Città del
Vaticano - I.A.U.: Comm. 33.
- MILLER, Walter John, Rev., S. J. A. 211
Assistant, Vatican Observatory, Castel Gandolfo, Vatican City
State (American citizen), - I.A.U.: Comm. 27.
- O'CONNELL, Daniel J. K., S. J., A. 215
Director, of the Vatican Observatory, Castel Gandolfo, Vatican
City State (Australian citizen) - I.A.U.: Comm. 27.
- SALPETER, Ernst, Dr. Phil. A. 251
Assistente al Laboratorio Astrofisico della Specola Vaticana,
Castel Gandolfo, Città del Vaticano (Cittadinanza austriaca) -
I.A.U.: Designato dal Comitato nazionale di Astronomia dello
Stato della Città del Vaticano.
- ZIRWES, Albert A. 252
Assistente alla Specola Vaticana, Castel Gandolfo, Città del Va-
ticano (cittadinanza tedesca) - I.A.U.: Designato dal Comitato
nazionale di Astronomia dello Stato della Città del Vaticano.

Svezia-Sverige

- ALFVEN, Hannes, Dr. A. 459*
Professor at Tekniska Högskolan, Stockholm, Sweden - I.A.U.:
Comm. 10.

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DAHLGREN - Karl Anders Thorild <i>First amanuens, Lund Observatory, Sweden</i>	C. 311
EDLEN, Bengt, Prof. <i>Director of the Physics Laboratory, University of Lund, Sweden - I.A.U.: Comm. 12, 14.</i>	A. 155*
ELVIUS, Aina, Fil. lic., Mrs. <i>Stockholms Observatorium, Saltsjöbaden, Sweden.</i>	C. 323
ELVIUS, Tord, Dr. <i>Docent, Stockholm Observatorium, Saltsjöbaden, Sweden - I.A.U.: Comm. 33</i>	A. 322
HANSSON, Nils <i>Assistant at Lund Observatory, Sweden</i>	C. 310
KRISTENSON, Henrik <i>Assistant at Lund Observatory, Sweden</i>	C. 308
LINDBLAD, Bertil, Prof. <i>Director Stockholm Observatory, Saltsjöbaden, Sweden - I.A.U.: President.</i>	A. 1*
LINDBLAD, Bertil-Anders, <i>Research Assistant, Lund Observatory, Sweden</i>	C. 353
LINDBLAD, Per-Olof, Mr. <i>Assistant at the Stockholm Observatory, Saltsjöbaden, Sweden...</i>	C. 1
MALMQUIST, Karl Gunnar, Prof. <i>Director of the Observatorio f Uppsala, Sweden - I.A.U.: Comm. 25, 33, 34.</i>	A. 280
OHMAN, Yngve, Dr. <i>Observer at the Stockholm Observatory, Sweden - I.A.U.: Comm. 9, 10, 11, 15, 25, 34, 36.</i>	A. 127*
RAMBERG, Jöran M. Dr. <i>Astronomer at the Stockholm Observatory, Saltsjöbaden, Sweden - I.A.U.: Comm. 29, 33.</i>	A. 242*
REIZ, Anders, Dr. <i>Assistant Professor, Lund University Observatory, Sweden - I.A.U.: Comm. 33, 35.</i>	A. 336*
SCHALEN, Carl, Dr. <i>Observer, Uppsala Observatorium, Sweden - I.A.U.: Comm. 29, 33, 34.</i>	A. 229*
TORGARD, Ingrid H. M., <i>Assistant at Lund Observatory, Sweden</i>	C. 309
WALLENQUIST, Ake A. E., Dr. <i>Astronomer, Astronomical Observatory, University of Uppsala, Sweden - I.A.U.: Comm. 25, 26, 37.</i>	A. 197

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Svizzera Suisse, Schweiz, Svizzera

- FLECKENSTEIN, Joachim Otto, Dr. C. 304
Assistent an der Sternwarte Basel-Binningen, Schweiz
- GUYOT, Edmond, Prof. A. 321
Directeur de l'Observatoire de Neuchâtel, Suisse, - I.A.U.: Comm. 18, 31.
- SCHÜRER, Max, Prof. Dr., A. 412*
Direktor des Astronomischen Instituts der Universität Bern, Schweiz - I.A.U.: Comm. 20, 33
- TIERCY, Georges, Prof. Dr. A. 6*
Directeur de l'Observatoire de Genève, Suisse - I.A.U.: Vice-President.
- WALDMAYER, Max, Prof. Dr. A. 420
Direktor der Eidgenössischen Sternwarte zu Zürich, Schweiz - I.A.U.: Comm. 10, 11, 12, 40.

Turchia Türkjye Cumhuriyeti

- DILGAN, Hâmit, Prof. C. 227
Director of the Institute of seismology, (Univ. Tech. UNESCO) Turkey.
- GLEISSBERG, Wolfgang, Prof. Dr. Phil. C. 130*
Direktor des Observatoriums der Universität Istanbul (Türkei) (Deutsche Staatsangehörigkeit).
- GÖKDOGAN, Prof., Dr. C. 228
Professor of astronomy at the University of Istanbul, Turkey.

Union Sud Africana Union of South Africa, Unie van Suid Afrika

- THACKERAY, Andrew D., Dr., A. 244
Director of Radcliffe Observatory, Pretoria, S. Africa - I.A.U.: Comm. 29, 30, 36. (British citizen).

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AGGIUNTE

- BAILLAUD, Jules, Dr. A. 495*
Directeur honoraire de l'Observatoire du Pic du Midi, France
I.A.U.: Comm. 23.
- BELORIZKY, David, Dr. A. 494
Astronome à l'Observatoire de Marseille, France - I.A.U.: Comm.
7.
- PROISY, P. C. 499
Observatoire de Lyon, St. Gennis-Laval, (Rhône), France.
- TREANOR, Patrick Joseph, Dr. C. 496
*Member of staff of University Observatory, Oxford; Editor « The
Observatory », Great Britain.*
- CARNERA, Luigi, Prof. A. 498
Direttore emerito dell'Osservatorio astronomico di Napoli, Italia -
I.A.U.: Comm. 8, 19.
- BRUZEK, Anton, Dr. C. 497
*Assistent am Sonnenobservatorium Kanzelhöle, Sattendorf Kärn-
ten, Oesterreich.*
- MACK, Julian Ellis, Prof. C. 500
Professor of Physics, University of Wisconsin, Wisconsin, USA.

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