

Unhyphenated

National Academy of Sciences

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July 1, 1972

NATIONAL ACADEMY OF SCIENCES

July 1, 1972

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|-------------------|---|
| (1) Mathematics | (12) Psychology |
| (2) Astronomy | (13) Geophysics |
| (3) Physics | (14) Biochemistry |
| (4) Engineering | (15) Applied Biology |
| (5) Chemistry | (16) Applied Physical and Mathematical Sciences |
| (6) Geology | (17) Medical Sciences |
| (7) Botany | (18) Genetics |
| (8) Zoology | (19) Social, Economic, and Political Sciences |
| (9) Physiology | |
| (10) Microbiology | |
| (11) Anthropology | |

In the alphabetical list of members, the number in parentheses, following year of election, indicates the Section to which the member belongs.

CLASSES

The members of Sections are grouped in the following Classes:

- I. Physical and Mathematical Sciences (Sections 1, 2, 3, 5, 6, 13).
- II. Biological Sciences (Sections 7, 8, 9, 10, 14, 18).
- III. Engineering and Applied Sciences (Sections 4, 15, 16).
- IV. Medical Sciences (Section 17).
- V. Behavioral and Social Sciences (Sections 11, 12, 19).

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- Teuber, Hans-Lukas**, 1972 (12), Department of Psychology, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Thimann, Kenneth Vivian**, 1948 (7), Division of Natural Sciences, University of California, Santa Cruz, California 95060
- Thomas, Charles Allen**, 1948 (4), 7701 Forsyth Boulevard, St. Louis, Missouri 63105
- Thomas, Lewis**, 1972 (17), Yale University School of Medicine, 333 Cedar Street, New Haven, Connecticut 06510
- Thomas, Llewellyn Hilleth**, 1958 (16), Department of Physics, North Carolina State University, Raleigh, North Carolina 27607
- Thomas, Tracy Yerkes**, 1941 (1), 249 North Glenroy Avenue, Los Angeles, California 90049
- Thompson, James Burleigh, Jr.**, 1967 (6), Department of Geological Sciences, Harvard University, Cambridge, Massachusetts 02138
- Thompson, John Griggs**, 1971 (1), Department of Pure Mathematics and Mathematical Statistics, University of Cambridge, 16 Mill Lane, Cambridge CB2 1SB, England
- Tillett, William Smith**, 1951 (17), New York University School of Medicine, 550 First Avenue, New York, New York 10016
- Tinkham, Michael**, 1970 (3), Department of Physics, Harvard University, Cambridge, Massachusetts 02138
- Tishler, Max**, 1953 (5), Department of Chemistry, Wesleyan University, Middletown, Connecticut 06457
- Tobin, James**, 1972 (19), Department of Economics, Yale University, Box 2125, Yale Station, New Haven, Connecticut 06520
- Tousey, Richard**, 1960 (2), United States Naval Research Laboratory (Code 7140), Washington, D. C. 20390
- Townes, Charles Hard**, 1956 (3), Department of Physics, LeConte Hall, University of California, Berkeley, California 94720
- Treiman, Sam Bard**, 1972 (3), Joseph Henry Laboratories, Jadwin Hall, P. O. Box 708, Princeton University, Princeton, New Jersey 08540
- Tukey, John Wilder**, 1961 (16), Fine Hall, Princeton University, P. O. Box 708, Princeton, New Jersey 08540
- Turkevich, Anthony Leonid**, 1967 (5), The Enrico Fermi Institute, University of Chicago, 5640 South Ellis Avenue, Chicago, Illinois 60637
- Turnbull, David**, 1968 (16), Division of Engineering and Applied Physics, Pierce Hall, Harvard University, Cambridge, Massachusetts 02138
- Turner, Francis John**, 1956 (6), Department of Geology and Geophysics, University of California, Berkeley, California 94720

- Tuttle, O. Frank**, 1968 (6), Route 13, Box 967-B, Tucson, Arizona 85705
- Tuve, Merle Antony**, 1946 (3), 135 Hesketh Street, Chevy Chase, Maryland 20015
- Udenfriend, Sidney**, 1971 (14), Roche Institute of Molecular Biology, Nutley, New Jersey 07110
- Uhlenbeck, George Eugene**, 1955 (3), Rockefeller University, New York, New York 10021
- Ulam, Stanislaw Marcin**, 1966 (1), Department of Mathematics, University of Colorado, Boulder, Colorado 80304
- Underwood, Benton J.**, 1970 (12), Department of Psychology, Northwestern University, Evanston, Illinois 60201
- Urey, Harold Clayton**, 1935 (5), University of California, San Diego, La Jolla, California 92037
- Vagelos, Pindaros Roy**, 1972 (14), Department of Biological Chemistry, Washington University School of Medicine, 660 South Euclid Avenue, St. Louis, Missouri 63110
- Van Allen, James Alfred**, 1959 (13), Department of Physics and Astronomy, University of Iowa, Iowa City, Iowa 52240
- Van Niel, Cornelis Bernardus**, 1945 (7), Hopkins Marine Station of Stanford University, Pacific Grove, California 93950
- van Tamelen, Eugene Earl**, 1968 (5), Department of Chemistry, Stanford University, Stanford, California 94305
- Van Vleck, John Hasbrouck**, 1935 (3), Lyman Laboratory of Physics, Harvard University, Cambridge, Massachusetts 02138
- Verhoogen, John**, 1956 (13), Department of Geology and Geophysics, University of California, Berkeley, California 94720
- Vickery, Hubert Bradford**, 1943 (14), Connecticut Agricultural Experiment Station, New Haven, Connecticut 06504
- Villard, Oswald Garrison, Jr.**, 1958 (13), Radioscience Laboratory, Stanford University, Stanford, California 94305
- Vinograd, Jerome**, 1968 (14), Divisions of Chemistry and Biology, California Institute of Technology, Pasadena, California 91109
- Visscher, Maurice Bolks**, 1956 (9), 1 Orlin Avenue, S. E., Minneapolis, Minnesota 55414
- Waksman, Selman Abraham**, 1942 (10), Crown Tower Apartments, Apt. 17G, 123 York Street, New Haven, Connecticut 06511
- Wald, George**, 1950 (14), The Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Massachusetts 02138
- Walker, John Charles**, 1945 (7), 14016 Newcastle Drive, Sun City, Arizona 85351
- Wall, Frederick Theodore**, 1961 (5), Department of Chemistry, Rice University, Houston, Texas 77001
- Wallace, Bruce**, 1970 (8), Section of Genetics, Development and Physiology, Plant Science Building, Cornell University, Ithaca, New York 14850
- Walling, Cheves Thomson**, 1964 (5), Department of Chemistry, University of Utah, Salt Lake City, Utah 84112
- Walsh, Joseph Leonard**, 1936 (1), Department of Mathematics, University of Maryland, College Park, Maryland 20742

- Wangensteen, Owen H., 1966 (17), University of Minnesota Health Sciences Center, P. O. Box 610, Minneapolis, Minnesota 55455
- Warner, John Christian, 1956 (5), Neville House, Apt. 64, 552 North Neville Street, Pittsburgh, Pennsylvania 15213
- Warren, Shields, 1962 (17), Cancer Research Institute, New England Deaconess Hospital, 194 Pilgrim Road, Boston, Massachusetts 02215
- Washburn, Sherwood Larned, 1963 (11), Department of Anthropology, University of California, Berkeley, California 94720
- Wasserburg, Gerald Joseph, 1971 (13), Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, California 91109
- Waters, Aaron Clement, 1964 (6), Earth Sciences, Applied Sciences Building, University of California, Santa Cruz, California 95060
- Watson, Cecil James, 1959 (17), University of Minnesota Medical Unit, Northwestern Hospital, Minneapolis, Minnesota 55407
- Watson, James Dewey, 1962 (14), The Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Massachusetts 02138
- Weaver, Warren, 1969 (16), Second Hill RR 3, New Milford, Connecticut 06776
- Weber, Ernst, 1965 (4), 2510 Virginia Avenue, N. W., Apt. 1101 N, Washington, D. C. 20037
- Webster, David Locke, 1923 (3), 1830 Cowper Street, Palo Alto, California 94301
- Wedel, Waldo Rudolph, 1965 (11), Department of Anthropology, Smithsonian Institution, Washington, D. C. 20560
- Weinberg, Alvin Martin, 1961 (16), Oak Ridge National Laboratory, P. O. Box X, Oak Ridge, Tennessee 37830
- Weinberg, Steven, 1972 (3), Department of Physics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Weiss, Paul Alfred, 1947 (8), Rockefeller University, New York, New York 10021
- Weisskopf, Victor Frederick, 1952 (3), Department of Physics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Weissman, Samuel Isaac, 1966 (5), Department of Chemistry, Louderman Hall, Washington University, St. Louis, Missouri 63130
- Weller, Thomas Huckle, 1964 (17), Department of Tropical Public Health, Harvard School of Public Health, 665 Huntington Avenue, Boston, Massachusetts 02115
- Wells, John West, 1968 (6), Department of Geological Sciences, Cornell University, Ithaca, New York 14850
- Went, Frits Warmolt, 1947 (7), Desert Research Institute, University of Nevada, Reno, Nevada 89507
- Wentzel, Gregor, 1959 (3), 77 Via Collina, Ascona (Ticino), Switzerland
- Westheimer, Frank Henry, 1954 (5), Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, Massachusetts 02138
- Wetmore, Alexander, 1945 (8), Smithsonian Institution, Washington, D. C. 20560
- Wetmore, Ralph Hartley, 1954 (7), 12 Francis Avenue, Cambridge, Massachusetts 02138
- Wever, Ernest Glen, 1940 (12), Auditory Research Laboratories, Princeton University, Princeton, New Jersey 08540

- Wheeler, John Archibald**, 1952 (3), Joseph Henry Laboratories, Princeton University, Princeton, New Jersey 08540
- Whinnery, John Roy**, 1972 (4), Department of Electrical Engineering and Computer Sciences, University of California, Berkeley, California 94720
- Whipple, Fred Lawrence**, 1959 (2), Astrophysical Observatory, Smithsonian Institution, 60 Garden Street, Cambridge, Massachusetts 02138
- Whipple, George Hoyt**, 1929 (10), School of Medicine and Dentistry, University of Rochester, 260 Crittenden Boulevard, Rochester, New York 14642
- White, Abraham**, 1970 (14), 580 Arastradero Road, Apt. 507, Palo Alto, California 94306
- Whitehead, George William**, 1972 (1), Room 2-284, Department of Mathematics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Whitford, Albert Edward**, 1954 (2), Lick Observatory, University of California, Santa Cruz, California 95060
- Whitney, Hassler**, 1945 (1), The Institute for Advanced Study, Princeton, New Jersey 08540
- Wiberg, Kenneth Berle**, 1967 (5), Department of Chemistry, Yale University, New Haven, Connecticut 06520
- Wick, Gian-Carlo**, 1963 (3), Department of Physics, Columbia University, New York, New York 10027
- Wiesner, Jerome Bert**, 1960 (4), Office of the President, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Wightman, Arthur Strong**, 1970 (3), Joseph Henry Laboratories, Princeton University, P. O. Box 708, Princeton, New Jersey 08540
- Wigner, Eugene Paul**, 1945 (3), Jadwin Hall, Princeton University, Princeton, New Jersey 08540
- Wilder, Raymond Louis**, 1963 (1), 2427 Calle Montilla, Santa Barbara, California 93109
- Wiley, Gordon Randolph**, 1960 (11), Peabody Museum, Harvard University, Cambridge, Massachusetts 02138
- Williams, Carroll Milton**, 1960 (8), The Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Massachusetts 02138
- Williams, Howel**, 1950 (6), Department of Geology and Geophysics, University of California, Berkeley, California 94720
- Williams, John Warren**, 1952 (5), Chemistry Building, University of Wisconsin, 1101 University Avenue, Madison, Wisconsin 53706
- Williams, Robley Cook**, 1955 (14), Department of Molecular Biology, University of California, Berkeley, California 94720
- Williams, Roger John**, 1946 (14), Clayton Foundation Biochemical Institute, University of Texas, Austin, Texas 78712
- Willier, Benjamin Harrison**, 1945 (8), Department of Biology, Johns Hopkins University, Baltimore, Maryland 21218
- Wilson, Edgar Bright**, 1947 (5), Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, Massachusetts 02138
- Wilson, Edward Osborne**, 1969 (8), The Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Massachusetts 02138

- Wilson, Olin Chaddock**, 1960 (2), Hale Observatories, 813 Santa Barbara Street, Pasadena, California 91101
- Wilson, Perry William**, 1955 (7), Department of Bacteriology, University of Wisconsin, Madison, Wisconsin 53706
- Wilson, Robert Rathbun**, 1957 (3), National Accelerator Laboratory, P. O. Box 500, Batavia, Illinois 60510
- Witkop, Bernhard**, 1969 (5), Laboratory of Chemistry, National Institute of Arthritis and Metabolic Diseases, National Institutes of Health, Bethesda, Maryland 20014
- Wolman, Abel**, 1963 (4), 209 Ames Hall, Johns Hopkins University, Baltimore, Maryland 21218
- Wood, Harland Goff**, 1953 (14), Department of Biochemistry, Case Western Reserve University, Cleveland, Ohio 44106
- Wood, William Barry III**, 1972 (18), Room 156-29, Division of Biology, California Institute of Technology, Pasadena, California 91109
- Woodward, Robert Burns**, 1953 (5), Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, Massachusetts 02138
- Wooldridge, Dean Everett**, 1969 (4), 4545 Via Esperanza, Santa Barbara, California 93110
- Woolsey, Clinton Nathan**, 1960 (9), Laboratory of Neurophysiology, 283 Medical Sciences Building, University of Wisconsin, Madison, Wisconsin 53706
- Wright, Sewall**, 1934 (18), Department of Genetics, University of Wisconsin, Madison, Wisconsin 53706
- Wu, Chien-Shiung**, 1958 (3), Department of Physics, Columbia University, New York, New York 10027
- Wulf, Oliver Reynolds**, 1949 (13), Arthur Amos Noyes Laboratory of Chemical Physics, California Institute of Technology, Pasadena, California 91109
- Wyckoff, Ralph Walter Graystone**, 1949 (5), Department of Physics, University of Arizona, Tucson, Arizona 85721
- Wyman, Jeffries**, 1969 (14), Istituti Fisioterapiei Ospitalieri, Istituto Regina Elena, Viale Regina Elena, 291, Rome, Italy 00161
- Yang, Chen Ning**, 1965 (3), Department of Physics, State University of New York, Stony Brook, New York 11790
- Yanofsky, Charles**, 1966 (18), Department of Biological Sciences, Stanford University, Stanford, California 94305
- Yoder, Hatten Schuyler, Jr.**, 1958 (6), Geophysical Laboratory, Carnegie Institution of Washington, 2801 Upton Street, N. W., Washington, D. C. 20008
- Yost, Don Merlin Lee**, 1944 (5), California Institute of Technology, Pasadena, California 91109
- Young, William Gould**, 1951 (5), 859-N Ronda Mendoza, Laguna Hills, California 92653
- Zacharias, Jerrold Reinach**, 1957 (3), Department of Physics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Zachariasen, Frederik William Houlder**, 1949 (3), Department of Physics, University of Chicago, Chicago, Illinois 60637
- Zamecnik, Paul Charles**, 1968 (14), Huntington Laboratories of Harvard University, Massachusetts General Hospital, Boston, Massachusetts 02114

- Zariski, Oscar**, 1944 (1), Department of Mathematics, Harvard University, 2 Divinity Avenue, Cambridge, Massachusetts 02138
- Zener, Clarence** Melvin, 1959 (16), Carnegie-Mellon University, Schenley Park, Pittsburgh, Pennsylvania 15213
- Zimm, Bruno** Hasbrouck, 1958 (5), Department of Chemistry, University of California, San Diego, La Jolla, California 92037
- Zinder, Norton** David, 1969 (10), Rockefeller University, New York, New York 10021
- Zinn, Walter** Henry, (1956 (4), Apt. 312 Clydebank, 5 Gateshead Drive, Dunedin Beach, Florida 33528
- Zirkle, Raymond** Elliott, 1959 (8), Department of Biophysics, University of Chicago, 5640 Ellis Avenue, Chicago, Illinois 60637
- Zwanzig, Robert** Walter, 1972 (16), Institute for Fluid Dynamics and Applied Mathematics, University of Maryland, College Park, Maryland 20742
- Zworykin, Vladimir** Kosma, 1943 (4), RCA Laboratories, David Sarnoff Research Center, Princeton, New Jersey 08540
- Zygmund, Antoni**, 1960 (1), Department of Mathematics, University of Chicago, Chicago, Illinois 60637
- Number of Members July 1, 1972: *940

* This number reflects the resignation of Richard Charles Lewontin which was accepted by the Academy on April 25, 1972.

PUBLIC WELFARE MEDALISTS

(Conferral year shown in parentheses)

- Bronk, Detlev** Wulf (1964), Rockefeller University, New York, New York 10021
- Bush, Vannevar** (1945), Room 10-211, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Carmichael, Leonard** (1972), National Geographic Society, 17th and M Streets, N. W., Washington, D. C. 20036
- Doolittle, James** Harold (1959), 233 Marguerita Avenue, Santa Monica, California 90402
- Gardner, John** William (1966), Common Cause, P. O. Box 220, Washington, D. C. 20044
- Harrar, J. George** (1963), 125 Puritan Drive, Scarsdale, New York 10583
- Hill, Lister** (1969), 1618 Gilmer Avenue, Montgomery, Alabama 36104
- Killian, James R., Jr.** (1956), Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Lilienthal, David** Eli (1954), 88 Battle Road, Princeton, New Jersey 08540
- Moe, Henry** Allen (1958), Clark Foundation, 30 Wall Street, New York, New York 10005
- Shannon, James** Augustine (1962), Rockefeller University, New York, New York 10021
- Weaver, Warren** (1957), Second Hill RR 3, New Milford, Connecticut 06776

MEMBERS EMERITI

- Bleakney, Walker**, 1959 (3), 4681 La Espada Drive, Santa Barbara, California 93111
- Bramlette, Milton Nunn**, 1954 (6), Scripps Institution of Oceanography, La Jolla, California 92037
- Buddington, Arthur Francis**, 1943 (6), Department of Geology, Princeton University, Princeton, New Jersey 08540
- Coolidge, William David**, 1925 (3), 1480 Lenox Road, Schenectady, New York 12308
- Corner, George Washington**, 1940 (17), American Philosophical Society, 104 South Fifth Street, Philadelphia, Pennsylvania 19106
- Hammett, Louis Plack**, 1943 (5), Route 4, Box 681, Newton, New Jersey 07860
- Keyes, Frederick George**, 1930 (5), 15 Berkeley Street, Cambridge, Massachusetts 02138
- Kunitz, Moses**, 1967 (14), 500 East 77th Street, New York, New York 10021
- Lloyd, David Pierce Caradoc**, 1953 (9), 24 Horbury Crescent, London W11 3NF, England
- Longworth, Lewis Gibson**, 1947 (5), 144-60 29th Avenue, Flushing, New York 11354
- Redfield, Alfred Clarence**, 1958 (13), P. O. Box 106, Woods Hole, Massachusetts 02543
- Schultz, Adolph Hans**, 1939 (11), Anthropologisches Institut, Künstlergasse 15, Zurich, Switzerland 8001
- Vandiver, Harry Shultz**, 1934 (1), University of Texas, W. C. Hogg 409, Austin, Texas 78712
- Woodring, Wendell Phillips**, 1946 (6), United States Natural History Museum, Washington, D. C. 20560

Number of Members Emeriti July 1, 1972: 14

FOREIGN ASSOCIATES

The number in parentheses following the year of election indicates association within the Sections of the National Academy of Sciences.

- Adrian, of Cambridge, Edgar Douglas, Baron**, 1941 (9), Trinity College, Cambridge, England
- Alexandroff, Paul, S.** 1947 (1), Mathematical Institute of the Academy of Sciences of the U. S. S. R., Bolshaya Kalushskaya 19, Moscow, U. S. S. R.
- Alfvén, Hannes O. G.**, 1966 (13), Division of Plasma Physics, Royal Institute of Technology, Stockholm 70, Sweden
- Amaldi, Edoardo**, 1962 (3), University of Rome, Piazzale delle Scienze, 5, Rome, Italy
- Ambartsumian, Victor Amazaspovich**, 1959 (2), Burakan Astronomical Observatory, Erevan, Armenia, U. S. S. R.
- Andrewes, Sir Christopher Howard**, 1964 (17), Overchalke, Coombe Bissett, Salisbury, Wiltshire, England

- Auerbach, Charlotte**, 1970 (18), Department of Genetics, Institute of Animal Genetics, West Mains Road, Edinburgh, EH9 3JN, Scotland
- Baltzer, Fritz**, 1967 (8), Zoological Institute, University of Berne, Berne, Switzerland
- Barton, Derek Harold Richard**, 1970 (5), Department of Chemistry, Imperial College of Science and Technology, South Kensington, London SW7, England
- Bell, Ronald Percy**, 1972 (5), Stirling University, Stirling, Scotland
- Best, Charles Herbert**, 1950 (9), Banting and Best Department of Medical Research, University of Toronto, Toronto, Canada
- Blackett, Patrick Maynard Stuart, Baron**, 1966 (3), The Royal Society, 6 Carlton House Terrace, London S.W. 1, England
- Bogolubov, Nikolai Nikolaevich**, 1969 (3), Joint Institute for Nuclear Research, Dubna, Main Post Office, P. O. Box 79, Moscow, U.S.S.R.
- Bohr, Aage Niels**, 1971 (3), Department of Physics, Niels Bohr Institute, Blegdamsvej 17, Copenhagen, Denmark
- Brachet, Jean**, 1965 (8), Laboratoire de Morphologie Animale, Université Libre de Bruxelles, 67, rue des Chevaux, Rhode-St-Genese, Belgium
- Broadbent, Donald E.**, 1970 (12), Applied Psychology Unit, Medical Research Council, 15 Chaucer Road, Cambridge, England
- de Broglie, Prince Louis**, 1948 (3), 94 Rue Perronet, Neuilly-sur-Seine, France
- Brun, Edmond Antoine**, 1960 (4), University of Paris, 8-10, place du Commerce, Paris XV, France.
- Bullard, Sir Edward Crisp**, 1959 (13), Madingley Rise, Madingley Road, Cambridge, England
- Bullen, Keith Edward**, 1961 (13), Department of Applied Mathematics, University of Sydney, Sydney, Australia
- Bünning, Erwin**, 1968 (7), Institut für Biologie, 74 Tübingen, Auf der Morgenstelle, Germany-W
- Burnet, Sir Macfarlane**, 1954 (10), c/o Department of Microbiology, University of Melbourne, Parkville, 3052, Victoria, Australia
- Cartan, Henri Paul**, 1972 (1), 95, boulevard Jourdan, 75014-Paris, France
- Casimir, Hendrik Brugt Gerhard**, 1970 (16), N. V. Philips' Gloeilampenfabrieken, Eindhoven, The Netherlands
- Caso, Alfonso**, 1943 (11), Avenida Central 234, Tlacoapac, Villa Obregón, Mexico 20, D. F.
- Cottrell, Sir Alan Howard**, 1972 (4), Office of the Science Adviser, Cabinet Office, Whitehall, London, S.W. 1, England
- Cousteau, Jacques Yves**, 1968 (4), Oceanographic Museum, Monaco
- Crick, Francis Harry Compton**, 1969 (14), Medical Research Council, Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, England
- Dirac, Paul Adrien Maurice**, 1949 (1), Department of Mathematics, St. John's College, Cambridge, England
- Dubinín, Nikolai Petrovich**, 1969 (18), Institute of General Genetics, Academy of Sciences of the U.S.S.R., Moscow, B-133, Moscow, U.S.S.R.
- Eccles, Sir John Carew**, 1966 (9), Department of Physiology, Laboratory of Neurobiology, State University of New York, 4234 Ridge Lea Road, Amherst, New York 14226 U.S.A.

- Eigen, Manfred, 1966 (5), Max-Planck-Institut für Physikalische Chemie, Bunsenstrasse 10, 3400 Göttingen, Germany
- Ephrussi, Boris, 1961 (18), Laboratoire de Génétique Physiologique, 91, Gif-sur-Yvette, France
- von Euler, Ulf Svante, 1972 (9), Fysiologiska Institutionen 1, Karolinska Institutet, S-104 01 Stockholm 60, Sweden
- Frey-Wyssling, Albert Friedrich, 1970 (7), Institut für Allgemeine Botanik, Eidgenössische Technische Hochschule, Universitätstrasse 2, Zurich, Switzerland
- von Frisch, Karl, 1951 (8), Über der Klause 10, 8000 München 90, Germany
- Frumkin, Alexander N., 1969 (5), Institute of Electrochemistry, Academy of Sciences of the U.S.S.R., Leninsky Prospekt 31, Moscow, V-71, U.S.S.R.
- Gansser, Augusto, 1971 (6), Geologisches Institut, Eidgenössische Technische Hochschule, Sonneggstrasse 5, Zurich, Switzerland
- Geijer, Per, 1958 (6), Agnevaegen 5, Djursholm I, Sweden
- Gelfand, Israel M., 1970 (1), Laboratory of Mathematical Methods in Biology, Moscow State University, Moscow, 117234, U.S.S.R.
- Glen, Robert, 1967 (15), Commonwealth Scientific Liaison Offices, Africa House, Kingsway, London, W. C. 2, England
- Gorter, Cornelis Jacobus, 1967 (3), Kamerlingh Onnes Laboratory, State University of Leiden, Nieuwsteeg 18, Leiden, The Netherlands
- Granit, Ragnar, 1968 (9), The Nobel Institute for Neurophysiology, Karolinska Institutet, Stockholm 60, Sweden
- Gustafsson, Carl Åke Torsten, 1967 (7), Institute of Genetics, Lund University, Sölvegaten 29, S-223, 62 Lund, Sweden
- Hadorn, Ernst, 1969 (8), Zoologisch-Verlg. Anatomisches Institut der Universität Zurich, Kunstlergasse 16, 8006 Zurich, Switzerland
- Harrison, James Merritt, 1965 (6), Department of Mines and Technical Surveys, 588 Booth Street, Ottawa 4, Ontario, Canada
- Hawthorne, William Rede, 1965 (4), University Engineering Laboratory, University of Cambridge, Trumpington Street, Cambridge, England
- Hayaishi, Osamu, 1972 (14), Department of Medical Chemistry, Kyoto University Faculty of Medicine, Sakyo-ku, Kyoto 606, Japan
- Heisenberg, Werner, 1961 (3), Max Planck Institut für Physik und Astrophysik, Aumeisterstrasse 6, Munich 23, Germany
- Herzberg, Gerhard, 1968 (3), Division of Pure Physics, National Research Council, Ottawa 7, Canada
- Hill, Archibald Vivian, 1941 (9), 11A Chaucer Road, Cambridge, England
- Hodge, Sir William Vallance Douglas, 1959 (1), 16 Amhurst Court, Grange Road, Cambridge CB3 9BH, England
- Hodgkin, Dorothy Crowfoot, 1971 (5), Chemical Crystallography Laboratory, South Parks Road, Oxford, England
- Hoyle, Sir Fred, 1969 (2), Institute of Theoretical Astronomy, University of Cambridge, Madingley Road, Cambridge CB3 0EZ, England
- Jacob, François, 1969 (10), Institut Pasteur, 25, Rue du Docteur Roux, Paris XV, France
- Jeffreys, Sir Harold, 1945 (13), St. John's College, Cambridge, England

- Kapitza, Peter Leonidovich**, 1946 (3), S. I. Vavilov Institute of Physical Problems, Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R.
- Katchalski, Ephraim**, 1966 (14), Department of Biophysics, Weizmann Institute of Science, Rehovot, Israel
- Keilis-Borok, Vladimir Isackovich**, 1971 (13), Institute of the Physics of the Earth, Academy of Sciences, Moscow, U.S.S.R.
- Kendrew, John Cowdery**, 1972 (14), Medical Research Council, Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, England
- Kihara, Hitoshi**, 1958 (18), National Institute of Genetics, Misima, Japan
- von Koenigswald, G. H. Ralph**, 1972 (11), Forschungsinstitut Senckenberg, Senckenberganlage 25, 6 Frankfurt-M 1, Germany
- Kolmogorov, Andrej N.**, 1967 (1), Moscow State University, Moscow, U.S.S.R.
- Konorski, Jerzy**, 1963 (12), Department of Neurophysiology, Nencki Institute of Experimental Biology, 3, Pasteur Street, Warsaw 22, Poland
- Krebs, Sir Hans Adolf**, 1964 (14), Metabolic Research Laboratory, Nuffield Department of Clinical Medicine, Radcliffe Infirmary, Oxford, England
- Leloir, Luis F.**, 1960 (14), Instituto de Investigaciones Bioquímicas, Obligado 2490, Buenos Aires, Argentina
- Leray, Jean**, 1965 (1), Collège de France, 11 Place Marcelin-Berthelot, Paris V, France
- Lévi-Strauss, Claude**, 1967 (11), Laboratoire d'Anthropologie Sociale, Collège de France, 11 Place Marcelin-Berthelot, Paris V, France
- Longuet-Higgins, Hugh Christopher**, 1968 (5), Department of Machine Intelligence and Perception, University of Edinburgh, Hope Park Square, Meadow Lane, Edinburgh 8, Scotland
- Lorenz, Konrad**, 1966 (8), Max-Planck-Institut für Verhaltensphysiologie, 8131 Seewiesen, Seewiesen über Starnberg (Obb.), Germany
- Luria, Alexander R.**, 1968 (12), Psychology Faculty, University of Moscow, 13 Frunze Street, Moscow G. 19, U.S.S.R.
- Lwoff, André**, 1955 (17), Institut Pasteur, 28 Rue du Docteur Roux, 75 Paris-XV*, France
- Lynen, Feodor**, 1962 (14), Max-Planck-Institut für Zellchemie, Karlstrasse 23-25, Munich 2, Germany
- Medawar, Sir Peter Brian**, 1965 (17), Clinical Research Centre, Watford Road, Harrow, Middlesex HA 1 3 UJ, England
- Mizushima, Sanichiro**, 1970 (5), 2-10-6, Tamagawa-Denenchofu, Setagayaku, Tokyo, Japan
- Monod, Jacques**, 1968 (14), Department of Cellular Biochemistry, Institut Pasteur, 25, Rue du Docteur Roux, Paris XV, France
- Mott, Sir Nevill Francis**, 1957 (3), University of Cambridge, Cavendish Laboratory, Free School Lane, Cambridge, England
- Nagata, Takesi**, 1969 (13), Office of Geophysics Research Laboratory, c/o Geophysical Institute, University of Tokyo, Tokyo, Japan
- Ne'eman, Yuval**, 1972 (3), Tel-Aviv University, Tel-Aviv, Israel

SECTIONS

(1) *Mathematics*—57 members

Bing, R. H., <i>Chairman</i> (1973)	Kac, Mark	Nirenberg, Louis
Ahlfors, L. V.	Kaplansky, Irving	Schiffer, M. M.
Bers, Lipman	Karlin, Samuel	Shannon, C. E.
Birkhoff, Garrett	Kleene, Stephen C.	Singer, I. M.
Blackwell, David	Lax, Peter D.	Smale, S.
Bochner, S.	Lefschetz, Solomon	Smith, Paul A.
Bott, Raoul	Levinson, Norman	Spencer, D. C.
Brauer, Richard	Lewy, Hans	Stone, M. H.
Calderón, A. P.	Mackey, George W.	Tarski, Alfred
Chern, S. S.	Mac Lane, Saunders	Tate, John T.
Cohen, Paul J.	McShane, E. J.	Thomas, T. Y.
Doob, J. L.	Milnor, J. W.	Thompson, J. G.
Eilenberg, S.	Montgomery, Deane	Ulam, S. M.
Evans, G. C.	Moore, R. L.	Walsh, J. L.
Friedrichs, K. O.	Morrey, C. B., Jr.	Whitehead, G. W.
Gleason, A. M.	Morse, Marston	Whitney, Hassler
Gödel, Kurt	Moser, J. K.	Wilder, R. L.
Hille, Einar	Murnaghan, F. D.	Zariski, O.
Jacobson, Nathan	Neyman, Jerzy	Zygmund, Antoni

Foreign Associates

Alexandroff, P.	Gelfand, I. M.	Leray, Jean
Cartan, Henri	Hodge, Sir William	Siegel, C. L.
Dirac, P. A. M.	Kolmogorov, A.	Taylor, Sir Geoffrey

(2) *Astronomy*—41 members

Osterbrock, D. E., <i>Chairman</i> (1974)	Giacconi, R.	Minkowski, R. L.
Abbot, C. G.	Goldberg, Leo	Morgan, W. W.
Aller, L. H.	Greenstein, J. L.	Münch, Guido
Babcock, H. W.	Heeschen, D. S.	Parker, E. N.
Baker, J. G.	Herbig, George H.	Salpeter, E. E.
Bok, Bart J.	Herget, Paul	Sandage, A. R.
Bowen, I. S.	Johnson, H. L.	Schwarzschild, M.
Burke, B. F.	Joy, A. H.	Shane, C. D.
Chandrasekhar, S.	Kraft, R. P.	Shapley, Harlow
Clemence, G. M.	Kuiper, G. P.	Spitzer, Lyman, Jr.
Code, A. D.	Leighton, R. B.	Tousey, Richard
Drake, F. D.	Luyten, W. J.	Whipple, F. L.
Friedman, Herbert	Mayall, N. U.	Whitford, A. E.
	Menzel, D. H.	Wilson, Olin C.

Foreign Associates

Ambartsumian, V.	Oort, Jan Hendrik	Swings, P.
Hoyle, Sir Fred	Strömgren, B.	

(3) *Physics*—118 members

Fowler, W. A., <i>Chairman</i> (1974)	Gell-Mann, Murray	Purcell, E. M.
Alvarez, L. W.	Glaser, Donald A.	Rabi, I. I.
Anderson, C. D.	Goldberger, M. L.	Rainwater, James
Anderson, H. L.	Goldhaber, G. S.	Ramsey, N. F.
Anderson, P. W.	Goldhaber, M.	Rossi, Bruno
Bacher, R. F.	Gordy, Walter	Ruderman, M. A.
Bainbridge, K. T.	Goudsmit, S. A.	Sachs, R. G.
Bardeen, John	Hahn, E. L.	Schawlow, A. L.
Barschall, H. H.	Haworth, L. J.	Schrieffer, J. R.
Beams, J. W.	Herb, R. G.	Schwinger, Julian
Bethe, H. A.	Herring, Conyers	Segrè, E.
Birge, R. T.	Hertzfeld, K. F.	Seitz, Frederick
Bloch, Felix	Hofstadter, R.	Serber, R.
Bloembergen, N.	Hughes, Vernon W.	Simpson, J. A.
Bradbury, N. E.	Inghram, Mark G.	Slater, J. C.
Brattain, W. H.	Kaplan, J.	Slichter, C. P.
Breit, Gregory	Kemble, E. C.	Steinberger, J.
Brode, R. B.	Kerst, D. W.	Street, J. C.
Brockner, K. A.	Kittel, C.	Telegdi, V. L.
Chamberlain, Owen	Kohn, Walter	Teller, Edward
Chew, Geoffrey F.	Kusch, P.	Tinkham, M.
Christy, R. F.	Lamb, W. E., Jr.	Townes, C. H.
Condon, E. U.	Land, E. H.	Treiman, Sam
Cool, R. L.	Lauritsen, T.	Tuве, M. A.
Crane, H. R.	Lederman, L. M.	Uhlenbeck, G. E.
Crewe, A. V.	Lee, Tsung-Dao	Van Vleck, J. H.
Cronin, J. W.	Livingston, M. S.	Webster, D. L.
Dennison, D. M.	Loomis, F. W.	Weinberg, Steven
Deutsch, M.	Low, Francis E.	Weisskopf, V. F.
Dicke, R. H.	Marshak, R. E.	Wentzel, Gregor
Drell, Sidney D.	Matthias, Bernd	Wheeler, J. A.
DuBridge, L. A.	McMillan, E. M.	Wick, Gian-Carlo
DuMond, J. W. M.	Morrison, P.	Wightman, A. S.
Dunning, J. R.	Morse, P. M.	Wigner, E. P.
Dyson, Freeman J.	Nier, A. O. C.	Wilson, Robert R.
Fairbank, W. M.	O'Brien, Brian	Wu, C. S.
Feshbach, Herman	Pais, A.	Yang, Chen Ning
Fitch, V. L.	Panofsky, W. K. H.	Zacharias, J. R.
Garwin, R. L.	Pound, R. V.	Zachariasen, W. H.
	Primakoff, Henry	

Foreign Associates

Amaldi, Edoardo	Gorter, C. J.	Ne'eman, Yuval
Lord Blackett	Heisenberg, Werner	Peierls, Sir Rudolf
Bogolubov, N. N.	Herzberg, Gerhard	Tomonaga, Sin-iti-ro
Bohr, A. N.	Kapitza, P. L.	Yukawa, Hideki
de Broglie, Prince Louis	Mott, Sir Nevill	

(4) *Engineering*—60 members

Bisplinghoff, R. L., <i>Chairman</i> (1975)	Goldmark, P. C.	Pigford, R. L.
Barrett, C. S.	Greenewalt, C. H.	Piore, E. R.
Benedict, Manson	Haensel, V.	Raymond, A. E.
Bueche, A. M.	Hottel, H. C.	Schairer, G. S.
Bush, Vannevar	Housner, G. W.	Shapiro, A. H.
Chodorow, M.	Hunsaker, J. C.	Sherwood, T. K.
Cohen, Morris	Johnson, C. L.	Shockley, W.
Collins, Samuel C.	Kinzel, A. B.	Soderberg, C. R.
Curme, G. O., Jr.	Kompfner, Rudolf	Sporn, Philip
David, E. E., Jr.	Lewis, W. K.	Stratton, J. A.
Deere, D. U.	Licklider, J. C. R.	Suits, C. G.
Den Hartog, J. P.	Loomis, A. L.	Terman, F. E.
Draper, C. S.	Mehl, R. F.	Thomas, C. A.
Duwez, Pol	Newmark, N. M.	Weber, Ernst
Edgerton, H. E.	Nierenberg, W. A.	Whinnery, J. R.
Emmons, H. W.	Olson, Harry F.	Wiesner, J. B.
Fisk, J. B.	Orowan, Egon	Wolman, Abel
Fletcher, Harvey	Pearson, G. L.	Wooldridge, Dean E.
Gilliland, E. R.	Pickering, W. H.	Zinn, W. H.
Ginzton, E. L.	Pierce, J. R.	Zworykin, V. K.

Foreign Associates

Brun, Edmond A.	Hawthorne, W. R.	Roy, Maurice
Cottrell, Sir Alan	Rosenblueth, E.	Wagner, Carl
Cousteau, Jacques		

(5) *Chemistry*—124 members

Bigeleisen, Jacob, <i>Chairman</i> (1974)	Conant, J. B.	Fried, J.
Alberty, R. A.	Connick, R. E.	Fuoss, R. M.
Alder, B. J.	Corey, E. J.	Fuson, R. C.
Badger, R. M.	Cotton, F. A.	Gates, M.
Baker, W. O.	Cram, Donald J.	Giauque, E. F.
Baldeschwieler, J.	Crawford, Bryce, Jr.	Gilman, Henry
Bartlett, P. D.	Cristol, S. J.	Gray, H. B.
Bender, M. L.	Curtin, David Y.	Grunwald, E.
Bernstein, R. B.	Dauben, W. G.	Gutowsky, H. S.
Berson, J. A.	Djerassi, Carl	Haagen-Smit, A. J.
Blomquist, A. T.	Doering, William	Hackerman, N.
Bockelheide, V.	Drickamer, H. G.	Hammond, G. S.
Breslow, Ronald	Elderfield, R. C.	Herschbach, Dudley
Brewer, Leo	Eliel, E. L.	Hildebrand, J. H.
Brode, W. R.	Emmett, P. H.	Hirschfelder, J. O.
Brown, H. C.	Eyring, Henry	Hoard, J. L.
Büchi, George	Ferry, John D.	Hoffmann, Roald
Cairns, T. L.	Fieser, L. F.	Hornig, D. F.
Calvin, Melvin	Flory, P. J.	Hutchison, C. A., Jr.
	Folkers, Karl	Johnson, J. R.

Johnson, W. S.
Johnston, H. S.
Karplus, Martin
Kasha, M.
Kauzmann, Walter
Kistiakowsky, G. B.
Klemperer, William
Kolthoff, I. M.
Leonard, N. J.
Libby, W. F.
Lipscomb, W. N.
Long, Franklin A.
Marcus, R. A.
Mark, H. F.
Marvel, C. S.
Mayer, J. E.
McConnell, H. M.
McElvain, S. M.
Meinwald, Jerrold
Mislow, Kurt
Muetterties, E. L.
Mulliken, R. S.

Newman, M. S.
Noyes, W. A., Jr.
Onsager, Lars
Pauling, Linus
Perlman, Isadore
Pimentel, G. C.
Pitzer, K. S.
Rice, Oscar K.
Rice, Stuart A.
Roberts, J. D.
Rossini, F. D.
Scatchard, George
Scheraga, H. A.
Seaborg, G. T.
Shedlovsky, Theodore
Sheehan, J. C.
Shull, Harrison
Smith, L. I.
Smyth, C. P.
Spedding, F. H.
Stockmayer, W. H.
Stork, Gilbert

Streitwieser, Andrew, Jr.
Tarbell, D. S.
Taube, Henry
Tishler, Max
Turkevich, A. L.
Urey, H. C.
van Tamelen, E. E.
Wall, Frederick T.
Walling, Cheves
Warner, J. C.
Weissman, S. I.
Westheimer, F. H.
Wiberg, K. B.
Williams, J. W.
Wilson, E. Bright
Witkop, Bernhard
Woodward, R. B.
Wyckoff, R. W. G.
Yost, D. M.
Young, W. G.
Zimm, B. H.

Foreign Associates

Barton, D. H. R.
Bell, Ronald P.
Eigen, Manfred
Frumkin, Alexander N.
Hodgkin, D.

Longuet-Higgins, H. C.
Mizushima, S.
Prelog, Vladimir
Prigogine, I.
Reichstein, Tadeus

Robinson, Sir Robert
Ruzicka, Leopold
Semenov, Nikolai N.
Šorm, F.
Lord Todd

(6) *Geology*—39 members

Rodgers, John, *Chairman*
(1973)
Abelson, P. H.
Anderson, C. A.
Billings, M. P.
Birch, Francis
Brace, W. F.
Bradley, W. H.
Buerger, M. J.
Cloos, Ernst
Cloud, Preston
Doell, Richard R.
Dunbar, C. O.
Emery, K. O.

Engel, A. E. J.
Eugster, H. P.
Garrels, R. M.
Gilluly, James
Hedberg, H. D.
Hubbert, M. King
James, Harold L.
Krauskopf, K. B.
Langbein, W. B.
Leopold, L. B.
Longwell, C. R.
Lovering, T. S.
Menard, H. W.

Nolan, T. B.
Patterson, Bryan
Pecora, W. T.
Pettijohn, F. J.
Rubey, W. W.
Simpson, G. G.
Thompson, J. B., Jr.
Turner, F. J.
Tuttle, O. F.
Waters, Aaron C.
Wells, John W.
Williams, Howell
Yoder, H. S., Jr.

Foreign Associates

Gansser, A.
Geijer, Per

Harrison, J. M.
Sander, Bruno

Tilley, C. E.
Wilson, J. T.

(7) *Botany*—40 members

Burris, R. H., *Chairman*
(1974)
Arnold, William A.
Barghoorn, E. S.
Beevers, Harry
Blinks, L. R.
Bogorad, L.
Bonner, James
Borthwick, H. A.
Braun, A. C.
Burkholder, P. R.
Couch, J. N.
Emerson, Ralph
Esau, Katherine

Evans, Harold J.
Fred, E. B.
French, C. S.
Goddard, D. R.
Granick, Sam
Grant, Verne
Hendricks, S. B.
Horsfall, J. G.
Kramer, Paul J.
Lang, Anton
Patrick, Ruth
Raper, John R.
Raper, K. B.
Riker, A. J.

Robbins, W. J.
Rollins, R. C.
Sax, Karl
Skoog, Folke
Smith, A. C.
Srb, Adrian M.
Stebbins, G. L.
Thimann, K. V.
Van Niel, C. B.
Walker, J. C.
Went, F. W.
Wetmore, R. H.
Wilson, P. W.

Foreign Associates

Bünning, Erwin
Frey-Wyssling, A.

Gustafsson, Åke
Robertson, R. N.

Takhtajan, A.
Tamiya, H.

(8) *Zoology*—56 members

Williams, C. M., *Chairman* (1973)
Bloom, William
Bodenstein, D. H.
Bodian, David
Briggs, Robert
Bullock, T. H.
Burns, R. K.
Colbert, E. H.
Darlington, P. J., Jr.
Dethier, V. G.
Dobzhansky, Th.
Ebert, James D.
Eisner, Thomas
Emerson, Alfred E.
Fawcett, D. W.
Flexner, Louis B.
Fraenkel, G. S.
Friedmann, Herbert

Gall, J. G.
Griffin, D. R.
Grobstein, Clifford
Hamburger, Viktor
Hasler, Arthur D.
Hisaw, F. L.
Holtfreter, J.
Hubbs, C. L.
Hutchinson, G. E.
Kennedy, Donald
Lerner, I. M.
Levi-Montalcini, R.
Mac Arthur, Robert
Markert, C. L.
Marler, P. R.
Mayr, Ernst
Mazia, Daniel
Michener, C. D.
Mirsky, A. E.

Moore, J. A.
Palade, G. E.
Pittendrigh, C. S.
Porter, Keith R.
Ripley, S. D., II
Roeder, Kenneth D.
Romer, A. S.
Scharrer, Berta
Schmidt-Nielsen, K.
Schmitt, F. O.
Scholander, P. F.
Straus, W. L., Jr.
Swift, H. H.
Wallace, Bruce
Weiss, Paul
Wetmore, Alexander
Willner, B. H.
Wilson, Edward O.
Zirkle, R. E.

Foreign Associates

Baltzer, Fritz
Brachet, Jean
von Frisch, Karl

Hadorn, Ernst
Lorenz, Konrad
Szentágothai, János

Watson, D. M. S.
Wigglesworth, Sir V. B.

(9) *Physiology*—34 members

Mountcastle, V. B. <i>Chairman</i> (1974)	Gerard, R. W.	Larrabee, Martin G.
Aub, Joseph C.	Gilman, Alfred	Lorente de N6, R.
Bard, Philip	Goodman, L. S.	Magoun, H. W.
Berliner, R. W.	Hardy, J. D.	Page, I. H.
Bishop, G. H.	Hartline, H. K.	Pappenheimer, J. R.
Brink, Frank, Jr.	Hubel, D. H.	Pitts, R. F.
Brodie, B. B.	Ingle, D. J.	Rahn, Hermann
Bronk, Detlev W.	Kety, S. S.	Rose, J. E.
Cole, K. S.	Koelle, G. B.	Schmidt, C. F.
Comroe, Julius H., Jr.	Krayer, Otto	Visser, M. B.
Davis, Hallowell	Kuffler, S. W.	Woolsey, C. N.
	Landis, E. M.	

Foreign Associates

Lord Adrian	Eccles, Sir John	Granit, Ragnar
Best, C. H.	von Euler, U. S.	Hill, A. V.

(10) *Microbiology*—23 members

Davis, Bernard D., <i>Chairman</i> (1975)	Eisen, Herman N.	Levinthal, C.
Adelberg, E. A.	Enders, J. F.	Luria, S. E.
Bailey, P.	Goebel, W. F.	Magasanik, Boris
Benacerraf, B.	Habel, Karl	Meyer, K. F.
Coons, Albert H.	Heidelberger, Michael	Taliaferro, W. H.
Dulbecco, Renato	Hirst, George K.	Waksman, S. A.
Eagle, Harry	Hotchkiss, R. D.	Whipple, G. H.
	Lancefield, R.	Zinder, Norton, D.

Foreign Associates

Burnet, Sir Macfarlane	Penfield, Wilder	Porter, Rodney R.
Jacob, Francois		

(11) *Anthropology*—24 members

Stewart, T. D., <i>Chairman</i> (1975)	Griffin, J. B.	Movius, H. L., Jr.
Adams, R. M.	Hallowell, A. Irving	Murdock, G. P.
Braidwood, Robert J.	Haury, E. W.	Rouse, Irving
Chomsky, Noam	Howell, F. C.	Shapiro, H. L.
Coon, C. S.	Howells, W. W.	Spocher, Alexander
Eggan, Fred	Krogman, W. M.	Washburn, S. L.
Goodenough, W. H.	Lounsbury, Floyd G.	Wedel, W. R.
Greenberg, J. H.	Merton, R. K.	Wiley, G. R.

Foreign Associates

Caso, Alfonso	von Koenigswald, G. H. Ralph	Lévi-Strauss, Claude
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(12) *Psychology*—37 members

Neff, William D., <i>Chairman</i> (1974)	Hilgard, E. R.	Ratcliff, Floyd
Beach, F. A.	Klüver, Heinrich	Richter, C. P.
Brown, Roger	Lehrman, Daniel	Riggs, Lorrin A.
Carmichael, Leonard	Lindsley, D. B.	Roberts, R. B.
Estes, W. K.	Luce, R. D.	Skinner, B. F.
Festinger, Leon	Melton, Arthur W.	Solomon, R. L.
Galambos, R.	Miles, W. R.	Sperry, R. W.
Garner, W. R.	Miller, George A.	Stellar, Eliot
Gibson, E. J.	Miller, N. E.	Stevens, S. S.
Gibson, J. J.	Nauta, Walle J. H.	Teuber, H. L.
Guilford, J. P.	Newell, Allen	Underwood, B. J.
Harlow, H. F.	Olds, James	Wever, E. G.
	Pfaffmann, C.	

Foreign Associates

Broadbent, D. E.	Luria, A. R.	Piaget, J.
Konorski, Jerzy		

(13) *Geophysics*—40 members

Chamberlain, J. W., <i>Chairman</i> (1975)	Forbush, Scott E.	Piggot, C. S.
Arnold, James R.	Gold, Thomas	Press, Frank
Backus, George E.	Goldreich, Peter	Reichelderfer, F. W.
Bjerknes, J.	Goody, R.	Revelle, Roger
Booker, H. G.	Griggs, D. T.	Reynolds, J. H.
Brown, Harrison	Haurwitz, B.	Slichter, L. B.
Byerly, Perry	Helliwell, R. A.	Stommel, Henry
Byers, H. R.	Knopoff, Leon	Suess, H. E.
Charney, Jule G.	MacDonald, G. J. F.	Van Allen, J. A.
Cox, Allan	Malkus, Willem	Verhoogen, John
Eckart, Carl	Malone, T. F.	Villard, O. G., Jr.
Elsasser, W. M.	Munk, W. H.	Wasserburg, G. J.
Ewing, Maurice	Ney, E. P.	Wulf, O. R.
	Pekeris, C. L.	

Foreign Associates

Alfvén, Hannes	Jeffreys, Sir Harold	Nagata, Takesi
Bullard, Sir Edward	Keilis-Borok, V. I.	Nicolet, Marcel
Bullen, Keith Edward		

(14) *Biochemistry*—99 members

Smith, Emil L., <i>Chairman</i> (1975)	Ball, E. G.	Buchanan, John M.
Ames, B. N.	Barker, H. A.	Carter, H. E.
Anfinsen, C. B.	Berg, Paul	Chance, Britton
Arnon, D. I.	Bloch, K. E.	Chargaff, Erwin
Axelrod, J.	Blout, E. R.	Clarke, H. T.
	Boyer, P. D.	Cohen, P. P.

Cohen, S. S.	Khorana, H. G.	Rose, W. C.
Cohn, M.	King, C. G.	Roseman, Saul
Colowick, S. P.	Klotz, Irving	Schachman, H. K.
Cori, Carl F.	Kornberg, A.	Shemin, David
Craig, L. C.	Koshland, D. E., Jr.	Singer, S. J.
Davidson, N.	Lardy, Henry	Sinsheimer, R. L.
Doisy, E. A.	Lehninger, A. L.	Snell, E. E.
Doty, Paul	Link, K. P.	Stadtman, E. R.
Doudoroff, Michael	Lipmann, Fritz	Stein, W. H.
du Vigneaud, V.	Lowry, Oliver H.	Strominger, J. L.
Edelman, Gerald M.	Maynard, L. A.	Sutherland, E. W., Jr.
Edsall, J. T.	McElroy, W. D.	Szent-Györgyi, A.
Fruton, J. S.	Meister, Alton	Tanford, Charles
Green, David E.	Merrifield, Bruce	Tatum, E. L.
Gunsalus, I. C.	Meselson, M. S.	Udenfriend, S.
Handler, Philip	Meyer, Karl	Vagelos, P. Roy
Hassid, W. Z.	Moore, Stanford	Vickery, H. B.
Heppel, L. A.	Nachmansohn, David	Vinograd, J.
Hill, T. L.	Neurath, Hans	Wald, George
Hofmann, Klaus	Nirenberg, M. W.	Watson, J. D.
Holley, R. W.	Northrop, J. H.	White, Abraham
Horecker, B. L.	Ochoa, Severo	Williams, R. C.
Jencks, W. P.	Onley, J. L.	Williams, R. J.
Kabat, E. A.	Pardee, A. B.	Wood, H. G.
Kalekar, H. M.	Phillips, W. D.	Wyman, Jeffries
Kamen, Martin D.	Racker, Efraim	Zamecnik, P. C.
Kaplan, Nathan	Rich, Alexander	
Kennedy, E. P.	Richards, F. M.	

Foreign Associates

Crick, Francis	Krebs, Sir Hans S.	Perutz, M. F.
Hayaishi, Osamu	Leloir, Luis F.	Sanger, F.
Katchalski, Ephraim	Lynen, Feodor	Theorell, Hugo
Kendrew, John C.	Monod, Jacques	

(15) Applied Biology—20 members

Sprague, G. F., <i>Chairman</i> (1975)	Hepting, George H.	Odum, Eugene P.
Borlaug, Norman E.	Knipling, E. F.	Rick, Charles M.
Cain, Stanley	Leopold, A. S.	Schultes, R. E.
Darby, W. J.	Lush, Jay L.	Scrimshaw, N. S.
Harlan, J. R.	Mangelsdorf, P. C.	Sears, Ernest R.
Harrar, J. G.	Metcalf, R. L.	Stakman, E. C.
	Nelson, O. E., Jr.	Stephens, S. G.

Foreign Associates

Glen, Robert	Virtanen, A. I.
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(16) Applied Physical and Mathematical Sciences—33 members

Bode, Hendrik W., <i>Chairman</i> (1973)	Gordon, W. E.	Rosenbluth, M. N.
Arrow, K. J.	Grad, Harold	Samuelson, P. A.
Astin, A. V.	Hotelling, H.	Smith, C. S.
Branscomb, L. M.	John, Fritz	Stoker, J. J.
Brooks, Harvey	Kantrowitz, A.	Thomas, L. H.
Carrier, George F.	Koopmans, T. C.	Tukey, John W.
Chipman, John	Lax, Benjamin	Turnbull, David
Dantzig, G. B.	Liepmann, H. W.	Weaver, Warren
Darken, L. S.	Lin, C. C.	Weinberg, A. M.
Duffin, R. J.	Montroll, Elliott W.	Zener, Clarence
Gomory, R. E.	Prager, W.	Zwanzig, Robert

Foreign Associates

Casimir, H. B. G.

Lord Penny

(17) Medical Sciences—48 members

McCarty, Maclyn, <i>Chairman</i> (1974)	Finland, Maxwell	Long, Esmond R.
Astwood, E. B.	Gibbon, J. H., Jr.	McDermott, Walsh
Bearn, A. G.	Good, Robert A.	McMaster, P. D.
Beeson, Paul B.	Hastings, A. Baird	Miller, C. P.
Brinkhous, K. M.	Hertz, Roy	Moore, Carl V.
Cannon, P. R.	Hirsch, J. G.	Richards, D. W.
Castle, W. B.	Huebner, R. J.	Robbins, F. C.
Coggeshall, L. T.	Huggins, C. B.	Sabin, A. B.
Conn, J. W.	Jacobson, Leon O.	Shannon, J. A.
Cournand, André	Kaplan, H. S.	Spiegelman, Sol
Dalldorf, Gilbert	Kunkel, H. G.	Thomas, Lewis
Dingle, J. H.	Lawrence, H. S.	Tillett, W. S.
Dixon, F. J.	Leaf, Alexander	Wangensteen, O. H.
Dole, V. P.	Levine, Philip	Warren, Shields
Dragstedt, L. R.	Loeb, Robert F.	Watson, C. J.
Dubos, R. J.	London, I. M.	Weller, Thomas H.

*Foreign Associates*Andrewes, C. H.
Lwoff, AndréMedawar, Sir Peter
Pickering, Sir George

Waldenström, Jan G.

(18) Genetics—38 members

Crow, James F., <i>Chairman</i> (1975)	Benzer, Seymour	Delbrück, Max
Anderson, T. F.	Brink, R. A.	Dunn, L. C.
Beadle, G. W.	Britten, R. J.	Emerson, Sterling
	Campbell, A. M.	Garen, A.

Giles, N. H.
Glass, H. Bentley
Gorini, L.
Haskins, C. P.
Hershey, A. D.
Hollaender, A.
Horowitz, Norman H.
Irwin, M. R.
Kaiser, A. D.

Kaufmann, B. P.
Lederberg, Joshua
Lewis, Edward B.
McClintock, Barbara
Metz, C. W.
Neel, J. V.
Owen, R. D.
Puck, Theodore T.
Rhoades, M. M.

Roman, H. L.
Russell, E. S.
Smithies, O.
Snell, George D.
Sonneborn, T. M.
Stern, Curt
Wood, W. B.
Wright, Sewall
Yanofsky, Charles

Foreign Associates

Auerbach, Charlotte
Dubinin, N. P.

Ephrussi, Boris
Kihara, Hitoshi

Westergaard, Mogens

(19) Social, Economic, and Political Sciences—9 members

Coleman, J. S.
Dahl, R. A.
Davis, Kingsley

Homans, G. C.
Kuznets, Simon
Osgood, C. E.

Simon, H. A.
Solow, R. M.
Tobin, James

Rouse, Irving
Thomas, Lewis
Tishler, Max
Tobin, James
Vickery, H. B.
Waksman, S. A.
Weaver, Warren
Wiberg, K. B.

Delaware

Cairns, T. L.
Greenewalt, C. H.
Muettterties, E. L.
Phillips, W. D.

District of Columbia

Abelson, P. H.
Astin, A. V.
Baldeschwieler, J. D.
Bisplinghoff, R. I.
Brode, W. R.
Carmichael, Leonard
David, E. E., Jr.
Forbush, S. E.
Friedman, Herbert
Handler, Philip
Haskins, C. P.
Herzfeld, K. F.
Hubbert, M. K.
Langbein, W. B.
MacDonald, G. J. F.
Nolan, T. B.
Pecora, W. T.
Reichelderfer, F. W.
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Stewart, T. D.
Tousey, R.
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Wetmore, Alexander
Woodring, W. P.
Yoder, H. S., Jr.

Florida

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Dragstedt, L. R.
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Hawaii

Garrels, R. M.

Illinois

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Bailey, P.
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Beadle, G. W.
Bender, M. L.
Bloom, William
Braidwood, R. J.
Cannon, Paul
Chandrasekhar, S.
Crewe, A. V.
Cronin, J. W.
Curtin, David Y.
Doob, J. L.
Drickamer, H. G.
Eggan, Fred
Fraenkel, G. S.
Fried, J.
Gunsalus, I. C.
Gutowsky, H. S.
Haensel, V.
Harlan, J. R.
Huggins, Charles
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Ingle, D. J.
Jacobson, L. O.
Kaplansky, I.
Klotz, Irving
Klüver, Heinrich
Leonard, N. J.
Loomis, F. W.
Mac Lane, Saunders
Marcus, R. A.
Metcalf, R. L.

Miller, C. P.
Mulliken, R. S.
Newmark, N. M.
Osgood, C. E.
Parker, E. N.
Rice, S. A.
Rose, W. C.
Sachs, R. G.
Shemin, David
Simpson, J. A.
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Taliaferro, W. H.
Telegdi, V. L.
Turkevich, A. L.
Underwood, B. J.
Wilson, R. R.
Zachariasen, W. H.
Zirkle, R. E.
Zygmund, Antoni

Indiana

Briggs, Robert
Brown, H. C.
Neff, W. D.
Rhoades, M. M.
Shull, Harrison
Sonneborn, T. M.

Iowa

Gilman, Henry
Lush, Jay L.
Spedding, F. H.
Van Allen, J. A.

Kansas

Michener, C. D.

Maine

Bradley, W. H.
Russell, E. S.
Snell, George D.

Maryland

Abbot, C. G.
Anfinsen, C. B.

Axelrod, J.
Bard, Philip
Berliner, R. W.
Bodian, David
Borthwick, H. A.
Cloos, Ernst
Cole, K. S.
Coleman, J. S.
Collins, S. C.
Dalldorf, G.
Ebert, James D.
Elsasser, W. M.
Eugster, H. P.
Hendricks, S. B.
Hill, T. L.
Huebner, R. J.
Knipling, E. F.
Larrabee, Martin G.
Lehninger, A. L.
Mountcastle, V. B.
Murnaghan, F. D.
Nirenberg, M. W.
Pettijohn, F. J.
Piggot, C. S.
Richter, C. P.
Roseman, Saul
Sprague, G. F.
Stadtman, E. R.
Straus, W. L., Jr.
Tuve, M. A.
Walsh, J. L.
Willier, B. H.
Witkop, Bernhard
Wolman, Abel
Zwanzig, Robert

Massachusetts

Ahlfors, L. V.
Alberty, R. A.
Arrow, K. J.
Aub, Joseph C.
Bainbridge, K. T.
Baker, J. G.
Ball, E. G.
Barghoorn, E. S.
Bartlett, P. D.
Benacerraf, B.
Benedict, Manson
Billings, M. P.

Birch, Francis
Birkhoff, Garrett
Bloch, K. E.
Bloembergen, N.
Blout, E. R.
Bode, H. W.
Bogorad, L.
Bott, Raoul
Brace, W. F.
Brauer, R.
Brooks, Harvey
Brown, Roger
Buchanan, J. M.
Büchi, George
Burke, B. F.
Bush, Vannevar
Calderón, A. P.
Carrier, G. F.
Castle, W. B.
Charney, Jule G.
Chipman, John
Chomsky, Noam
Cohen, Morris
Coon, C. S.
Coons, A. H.
Corey, E. J.
Cori, Carl F.
Darlington, P. J., Jr.
Davis, Bernard D.
Den Hartog, J. P.
Deutsch, M.
Doering, William
Doty, Paul
Draper, C. S.
Edgerton, H. E.
Edsall, J. T.
Emery, K. O.
Emmons, H. W.
Enders, J. F.
Fawcett, D. W.
Feshbach, Herman
Fieser, L. F.
Finland, Maxwell
Giacconi, R.
Gilliland, E. R.
Gleason, A. M.
Goody, R. A.
Gorini, L.
Grunwald, E.
Herschbach, Dudley

Homans, G. C.
Hottel, H. C.
Howells, W. W.
Hubel, D. H.
Hunsaker, J. C.
Jencks, W. P.
Kalekar, H. M.
Kantrowitz, A.
Karplus, Martin
Kemble, E. C.
Kennedy, E. P.
Kety, S. S.
Keyes, F. G.
Khorana, H. G.
Kistiakowsky, G. B.
Klemperer, William
Kuffler, S. W.
Kuznets, Simon
Land, E. H.
Lax, Benjamin
Levinson, Norman
Lewis, W. K.
Licklider, J. C. R.
Lin, C. C.
Lipscomb, W. N.
London, I. M.
Low, Francis E.
Luria, S. E.
Mackey, G. W.
Magasanik, Boris
Malkus, Willem
Mayr, Ernst
Menzel, D. H.
Meselson, M. S.
Metz, C. W.
Morrison, P.
Morse, P. M.
Movius, H. L., Jr.
Nauta, Walle J. H.
Orowan, Egon
Pappenheimer, J. R.
Patterson, Bryan
Pound, R. V.
Press, Frank
Purcell, E. M.
Ramsay, Norman
Raper, J. R.
Redfield, A. C.
Revelle, Roger
Rich, Alexander

Roeder, K. D.
Rollins, R. C.
Romer, A. S.
Rossi, B. B.
Samuelson, P. A.
Scatchard, George
Schmitt, F. O.
Schultes, R. E.
Schwinger, Julian
Serimshaw, N. S.
Shannon, C. E.
Shapiro, A. H.
Sheehan, J. C.
Singer, I. M.
Skinner, B. F.
Smith, A. C.
Smith, C. S.
Soderberg, C. R.
Solow, R. M.
Stevens, S. S.
Stommel, Henry
Stone, M. H.
Stratton, J. A.
Street, J. C.
Strominger, J. L.
Szent-Györgyi, A.
Tate, John T.
Teuber, H. I.
Thompson, J. B., Jr.
Tinkham, M.
Turnbull, David
Van Vleck, J. H.
Wald, George
Warren, Shields
Watson, J. D.
Weinberg, Steven
Weisskopf, V. F.
Weller, Thomas H.
Westheimer, F. H.
Wetmore, R. H.
Whipple, F. L.
Whitehead, G. W.
Wiesner, J. B.
Willey, G. R.
Williams, C. M.
Wilson, E. Bright
Wilson, Edward O.
Woodward, R. B.
Zacharias, J. R.
Zamecnik, P. C.

Zariski, Oscar

Michigan

Conn, J. W.
Crane, H. R.
Dennison, D. M.
Elderfield, R. C.
Griffin, J. B.
Kaufmann, B. P.
Lang, Anton
Melton, Arthur W.
Neel, J. V.
Onclay, J. L.

Minnesota

Crawford, Bryce, Jr.
Good, Robert A.
Kolthoff, I. M.
Luyten, W. J.
Ney, E. P.
Nier, A. O. C.
Smith, L. I.
Stakman, E. C.
Visscher, M. B.
Wangensteen, O. H.
Watson, C. J.

Missouri

Bishop, G. H.
Davis, Hallowell
Doisy, E. A.
Eisen, Herman N.
Hamburger, Viktor
Levi-Montalcini, R.
Lowry, O. H.
Moore, Carl V.
Sears, E. R.
Thomas, C. A.
Vagelos, P. Roy
Weissman, S. I.

Nevada

Fuson, R. C.
Went, F. W.

New Hampshire

Stockmayer, W.

New Jersey

Anderson, P. W.
Baker, W. O.
Buddington, A. F.
Dethier, V. G.
Dicke, R. H.
Dyson, F. J.
Fisk, J. B.
Fitch, V. L.
Gödel, Kurt
Goldberger, M. L.
Hammett, L. P.
Hedberg, H. D.
Herring, Conyers
Horecker, B. L.
Kauzmann, Walter
Kompfner, Rudolf
Lefschetz, Solomon
Lehrman, D. S.
Levine, Philip
MacArthur, Robert
Milnor, J. W.
Mislow, Kurt
Montgomery, Deane
Morse, Marston
Olson, Harry F.
Pardee, A. B.
Rosenbluth, M. N.
Schwarzschild, M.
Smyth, C. P.
Spencer, D. C.
Spitzer, Lyman, Jr.
Treiman, Sam
Tukey, John W.
Wever, E. G.
Wheeler, J. A.
Whitney, Hassler
Wightman, A. S.
Wigner, E. P.
Zworykin, V. K.

New Mexico

Bradbury, N. E.
Livingston, M. S.

New York

Bearn, A. G.
Bers, Lipman

Bethe, H. A.
Bigeleisen, J.
Blomquist, A. T.
Branscomb, L. M.
Braun, A. C.
Breit, G.
Breslow, Ronald
Brink, Frank, Jr.
Bronk, D. W.
Bueche, A. M.
Chargaff, Erwin
Conant, J. B.
Cool, R. L.
Coolidge, W. D.
Cournand, André
Craig, L. C.
Curme, G. O., Jr.
Dole, V. P.
Drake, F. D.
Dubos, R. J.
Dunn, L. C.
Dunning, J. R.
du Vigneaud, Vincent
Eagle, Harry
*Eccles, Sir John
Edelman, Gerald M.
Eilenberg, Samuel
Eisner, Thomas
Emerson, A. E.
Estes, W. K.
Ewing, Maurice
Festinger, Leon
Friedrichs, K. O.
Garwin, R. L.
Gates, M.
Gibson, E. J.
Gibson, J. J.
Gilman, Alfred
Glass, H. B.
Goebel, W. F.
Gold, Thomas
Goldhaber, G. S.
Goldhaber, M.
Gomory, R. E.
Goudsmit, S. A.
Grad, Harold
Granick, Sam
Griffin, D. R.
Harrar, J. G.

*Foreign Associate

Hartline, H. K.
Haworth, L. J.
Heidelberger, M.
Heppel, L. A.
Hershey, A. D.
Hertz, Roy
Hirsch, J. G.
Hirst, G. K.
Hoard, J. L.
Hoffmann, Roald
Holtfreter, J.
Hotchkiss, R. D.
John, Fritz
Kabat, E. A.
Kac, Mark
King, C. G.
Kunitz, Moses
Kunkel, H. G.
Kuseh, P.
Lancefield, R.
Lawrence, H. S.
Lax, Peter D.
Leaf, Alexander
Lederman, L. M.
Lee, Tsung-Dao
Levinthal, Cyrus
Lipmann, Fritz
Loeb, R. F.
Long, F. A.
Longworth, L. G.
Loomis, A. L.
Lorente de N6, R.
Mark, H. F.
Marler, P. R.
Marshak, R. E.
Maynard, L. A.
McCarty, Maclyn
McClintock, Barbara
McDermott, Walsh
McMaster, P. D.
Meister, Alton
Merrifield, Bruce
Merton, R. K.
Meyer, Karl
Miller, G. A.
Miller, N. E.
Mirsky, A. E.
Montroll, Elliott W.
Moore, Stanford
Moser, J. K.

Nachmansohn, David
Nirenberg, Louis
Ochoa, Severo
Pais, A.
Palade, George E.
Pfaffmann, Carl
Piore, E. R.
Pitts, R. F.
Rabi, I. I.
Racker, Efraim
Rahn, Hermann
Rainwater, L. J.
Ratliff, Floyd
Richards, D. W.
Robbins, W. J.
Ruderman, M. A.
Salpeter, E. E.
Scharrer, Berta
Scheraga, H. A.
Seitz, Frederick
Serber, Robert
Shannon, J. A.
Shapiro, H. L.
Shedlovsky, Theodore
Smith, P. A.
Spiegelman, Sol
Sporn, Philip
Srb, Adrian M.
Stein, W. H.
Stoker, J. J.
Stork, Gilbert
Suits, C. G.
Tatum, E. L.
Tillett, W. S.
Uhlenbeck, G. E.
Wallace, Bruce
Weiss, Paul
Wells, J. W.
Whipple, G. H.
Wick, Gian-Carlo
Wu, C. S.
Yang, Chen Ning
Zinder, Norton D.

North Carolina

Brinkhous, K. M.
Couch, J. N.
Eliel, E. L.
Gordy, Walter

Hepting, George H.
Hotelling, Harold
Kramer, P. J.
Mangelsdorf, P. C.
Rice, Oscar K.
Schmidt-Nielsen, K.
Stephens, S. G.
Tanford, Charles
Thomas, L. H.

Ohio

Dingle, J. H.
Herget, Paul
Newman, M. S.
Page, I. H.
Robbins, F. C.
Wood, H. G.

Oregon

Bockelheide, Virgil
Emmett, P. H.
Evans, H. J.
Hisaw, F. L.

Pennsylvania

Anderson, T. F.
Chance, Britton
Cohn, M.
Corner, G. W.
Darken, L. S.
Duffin, R. J.
Flexner, L. B.
Gibbon, J. H., Jr.
Goddard, D. R.
Goodenough, W. H.
Hallowell, A. I.
Hofmann, Klaus
Koelle, G. B.
Krogman, W. M.
Landis, E. M.
Long, E. R.
Mehl, R. F.
Murdock, G. P.
Newell, Allen
Patrick, Ruth
Primakoff, Henry
Sax, Karl
Schrieffer, J. R.

Simon, H. A.
Solomon, R. L.
Spoehr, Alexander
Stellar, Eliot
Warner, J. C.
Zener, Clarence

Rhode Island

Hornig, D. F.
Prager, William
Riggs, L. A.

Tennessee

Arnold, W. A.
Colowick, S. P.
Darby, W. J.
Hollaender, A.
Sutherland, E. W., Jr.
Tarbell, D. S.
Weinberg, A. M.

Texas

Bochner, S.
Byers, H. R.
Chamberlain, J. W.
Cotton, F. A.
Folkers, Karl
Gordon, W. E.
Grant, Verne
Hackerman, N.
Moore, R. L.
Noyes, W. A., Jr.
Rossini, F. D.
Vandiver, H. S.
Wall, F. T.
Williams, R. J.

Utah

Eyring, Henry
Fletcher, Harvey
Goodman, L. S.
Walling, Cheves

Vermont

Johnson, J. R.

Virginia

Beams, J. W.
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Heeschen, D. S.
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Washington

Brattain, W. H.
Neurath, Hans
Roman, H. L.
Schairer, G. S.

Wisconsin

Bernstein, R. B.
Bing, R. H.
Brink, R. A.
Burris, R. H.
Code, A. D.
Cohen, P. P.
Crow, J. F.
Ferry, John D.
Fred, E. B.
Green, D. E.
Harlow, H. F.
Hasler, Arthur D.
Herb, R. G.
Hirschfelder, J. O.
Irwin, M. R.
Kerst, D. W.
Kleene, Stephen C.
Lardy, Henry
Link, K. P.
McElvain, S. M.
Morgan, W. W.
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Wright, Sewall

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Sabin, A. B.

Italy—

Wyman, Jeffries

Mexico—

Borlaug, N. E.

Switzerland—

Schultz, A. H.

Steinberger, J.

Wentzel, Gregor

Virgin Islands—

Burkholder, P. R.