## Committee for a National Science Foundation

The text of a statement prepared by the Committee for a National Science Foundation appeared in these columns last week (Science, 1946, 103, 11). The following list of names constituting the original signers is now available from the Committee, whose address is Room 170, Hotel Astor, New York City:

C. A. Adams, engineer, E. G. Budd Manufacturing Company, Philadelphia; Charles C. Adams, New York State Museum, Albany; C. R. Adams, professor of mathematics, Brown University; T. Addis, professor of medicine, Stanford Medical School, California; Harold L. Alden, Leander McCormick Observatory, University of Virginia; William Phelps Allis, professor of mathematical physics, Massachusetts Institute of Technology; I. Amdur, Department of Chemistry, Massachusetts Institute of Technology; Thomas F. Anderson, Johnson Foundation, University of Pennsylvania; Donald H. Andrews, professor of chemistry, Johns Hopkins University; Robert C. Angell, Department of Sociology, University of Michigan; Frank Aydelotte, Institute for Advanced Study, Princeton, New Jersey.

E. Wight Bakke, Institute of Human Relations, Yale University; C. Canby Balderston, Wharton School of Finance and Commerce, University of Pennsylvania; Edward Bartow, emeritus professor of chemistry, State University of Iowa; Charles H. Behre, Jr., professor of geology, Columbia University; Raphael A. Bendove, Columbia University Medical School; Ruth Benedict, professor of anthropology, Columbia University; Wendell C. Bennett, professor of archaeology, Yale University; Charles P. Berkey, emeritus professor of geology, Columbia University; Gordon W. Blackwell, Department of Sociology, North Carolina; David P. Boder, professor of psychology, Institute of Technology, Chicago; H. Dean Baker, Pupin Physics Laboratory, Columbia University; J. Lloyd Bohn, professor of physics, Temple University; Bart J. Bok, Harvard Observatory; Edison L. Bowers, Department of Economics, Ohio State University; Ernest W. Burgess, professor of sociology, University of Chicago; H. T. Briscoe, professor of chemistry, Indiana University; Allan M. Butler, Harvard Medical School.

Walter G. Cady, professor of physics, Wesleyan University; Frank K. Cameron, professor of chemistry, University of North Carolina; Leon Campbell, Harvard Observatory; Robert C. Challman, Division of Research, Norwich State Hospital; W. Edward Chamberlain, Department of Radiology, Temple University; Robert Chambers, professor of biology, New York University; Agnes Chase, Smithsonian Institution, Washington, D. C.; E. Chittenden, professor of mathematics, State University of Iowa; Richard G. Clarke, professor of chemistry, Wesleyan University; Charles H. Colvin, aeronautical engineer, 320 Central Park West, New York City; Edward G. Conklin, professor of zoology, Princeton University; Morris Llewellyn Cooke, Hay-Adams House, Washington, D. C.; John M. Cooper, professor of anthropology, Catholic University; Leonard S. Cottrell, Jr., Chairman, Department of Sociology and Anthropology, Cornell University; Richard Courant, professor of mathematics, New York University; E. V. Cowdry, professor of anatomy, Washington University Medical School; R. Tracy Crawford, professor of astronomy, University of California; Harry Curtis, Dean of Engineering, University of Missouri; Howard J. Curtis, Monsanto Chemical Company, Knoxville, Tennessee.

Leo M. Davidoff, Chief, Department of Surgery, Jewish Hospital, Brooklyn; Kenneth S. M. Davidson, Director, Experimental Towing Tank, Stevens Institute of Technology; M. Demerac, Carnegie Institution, Cold Spring Harbor, New York; Dr. Moses Diamond, embryologist, Columbia Dental School; Theodore Dobzhansky, professor of zoology, Columbia University; John Dollard, research associate, Institute of Human Relations, Yale University; L. C. Dunn, Department of Zoology, Columbia University; John R. Dunning, professor of physics, Columbia University.

A. Einstein, Institute for Advanced Study, Princeton, New Jersey; Robert Elman, professor of surgery, Washington University Medical School.

Kasimir Fajans, professor of chemistry, University of Michigan; I. Fankuchen, professor of physics, Brooklyn Polytechnic Institute; Marie Farnsworth, chemist, Metal and Thermit Corporation, Rahway, New Jersey; George E. Farrar, Jr., Temple University Medical School; Enrico Fermi, professor of physics, Nuclear Institute, University of Chicago; E. D. Friedman, 1192 Park Avenue, New York City.

A. L. Garbat, attending physician, Lenox Hill Hospital, New York City; Frederick J. Gaudet, Veterans Administration Guidance Center, Stevens Institute of Technology; John M. Gaus, professor of political science, University of Wisconsin; Samuel Gelfan, physiologist, 80 Haven Avenue, New York City; R. W. Gerard, professor of physiology, University of Chicago; James Gilluly, professor of geology, University of California at Los Angeles; Clarence H. Graham, professor of psychology, Columbia University; David M. Grayzel, pathologist, Jewish Hospital, Brooklyn; Harry Grundfest, Columbia University Medical School; Ralph H. Gundlach, professor of psychology, University of Washington; R. G. Gustavson, Vice-president, University of Chicago.

Danforth R. Hale, RCA Manufacturing Company, Harrison, New Jersey; Calvin S. Hall, professor of psychology, Western Reserve University; Robert B. Hall, professor of geography, University of Michigan; A. Irving Hallowell, professor of anthropology, Northwestern University; H. B. Hass, professor of chemistry, Purdue University; Ernst Hauser, professor of chemistry, Massachusetts Institute of Technology; Michael Heidelberger, Columbia University Medical School; C. Judson Herrick, professor of neurology, University of Chicago; Melville J. Herskovits, professor of anthropology, Northwestern University; Max Hertzman, professor of psychology, College of the City of New York; Joel H. Hildebrand, professor of chemistry, University of California; John Hill, Assistant Curator, American Museum of Natural History, New York City; T. R. Hogness, professor of chemistry, University of Chicago; Pryns Hopkins, Claremont College, Pasadena, California; Harold Hotelling, professor of economics, Columbia University; Maurice L. Huggins, research chemist, Eastman Kodak Company, Rochester, New York; W. S. Hunter, professor of psychology, Brown University; Harold Thomas Hyman, Monmouth Memorial Hospital, Long Branch, New Jersey.

Herbert R. Isenburger, Department of Physics, Columbia University.

Preston E. James, professor of geography, University of Michigan; T. Duckett Jones, Harvard Medical School; Warren C. Johnson, professor of chemistry, University of Chicago.

John S. Karling, professor of botany, Columbia University; Joseph H. Keenan, professor of mechanical engineering, Massachusetts Institute of Technology; Foster Kennedy, professor of neurology, Cornell Medical College; Frederick G. Keyes, professor of chemistry, Massachusetts Institue of Technology; Paul Kirkpatrick, professor of physics, Stanford University; Morris Kline,

Continued on page 62

A reissue of a Princeton classic . . .

## Meaning of Relativity

bу

**ALBERT** 

## Einstein

"The first edition of this book, published in 1922, consisted of the text of the Stafford Little lectures, delivered by Dr. Einstein in May, 1921, at Princeton University. This has ever since been regarded as the authoritative statement of his theory of relativity. For this second edition, Dr. Einstein has added an appendix translated by Ernst G. Straus, in which he discusses certain advances in the theory since that earlier presentation of it."—Scientific Book Club Review.

"The treatment follows what may be called normal lines, and, coming from the 'Father of Relativity', is naturally authoritative and interesting in approach. It is, moreover, concise and to the point."-Science.

142 pages, indexed,  $5\frac{1}{4}$ " x  $7\frac{1}{2}$ ", \$2.00

At your bookstore

PRINCETON



ness" of these communities and their culture means "aboriginal," for it is very apparent from the material presented that the X-Cacal have a culture which represents, so far as its content is concerned, a considerable mixture of aboriginal and Spanish elements-a mixing and mingling of artifacts, action customs, and idea patterns which extends through almost every department of custom from subsistence systems to ceremonialism. And in the process of assimilating historically diverse traits to this mixed culture a certain reintegration and synthesis has apparently been at work, with the result that something new has been produced. In this process Maya influence has probably been greatest. An ancient Maya might find slightly more in common with a present-day X-Cacal member than would a Spaniard of the Fifteenth Century, but both the old Maya and the old Spaniard would discover in the modern culture of East Central Quintana Roo "a world they never knew."

Thus it is that the X-Cacal group does represent a folk culture of the present day which may be usefully contrasted with the modern urban way of life in Mérida and other Latin-American metropolises, but it is "primitive" primarily in the sense that the culture is still relatively homogeneous, still bound together by a universally accepted system of beliefs, still comparatively unspecialized and undiversified, rather than in the sense that it might be considered a survival into our time of ancient Maya culture.

Señor Villa does not attempt an overall summary along these lines nor does he give much explicit attention to processes of cultural blending and emergence as such, perhaps wisely contenting himself with setting down his data in a form which will be extremely useful for other students. Some readers may wish that he had provided at least one chapter of interpretation in terms of theoretical principles, for it is always helpful and stimulating for others to have the theoretical views and tentative conclusions of the man who collected the data. However, we have no reason to complain, for Señor Villa has provided us with a carefully collected and painstakingly documented body of data which should prove valuable not only for our understanding of the cultures of the Yucatecan peninsula, but also for analysis of all mixed or "Creole" cultures which, in one form or another, are characteristic of much of modern Latin America.

JOHN GILLIN

Duke University

NSF—Continued from page 45

Department of Mathematics, New York University; I. M. Kolthoff, professor of chemistry, University of Minnesota; Getrtrude Kornfeld, research chemist, Eastman Kodak Company, Rochester, New York; Lawrence S. Kubie, psychiatrist, 7 East 81st Street, New York City.

Lane W. Lancaster, Department of Social Science, University of Nebraska; Walter B. Lancaster, ophthalmologist, 520 Commonwealth Avenue, Boston, Massachusetts; Alfred C. Lane, emeritus professor of geology, Tufts College; Harry Langman, Mathematician, 1196 Eastern Parkway, Brooklyn, New York; Ralph Linton, professor of anthropology, Columbia University; M. Stanley Livingston, professor of physics, Massachusetts

Institute of Technology; Leo Loeb, emeritus professor of pathology, Washington University Medical School; J. Murray Luck, professor of chemistry, Stanford University.

D. MacDougal, botanist, Route 170, Carmel, California; W. Rupert MacLaurin, professor of economics, Massachusetts Institute of Technology; William M. Malisoff, professor of chemistry, Brooklyn Polytechnic Institute; Evelyn B. Man, Department of Chemistry, Yale University; Henry Margenau, professor of physics, Yale University; Donald G. Marquis, professor of psychology, University of Michigan; Dorothy P. Marquis, Yale University Medical School; W. T. Martin, professor of mathematics, Syracuse University; Mark A. May, Director, Institute of Human Relations, Yale University; Barbara McClintock, geneticist, Carnegie Institution, Cold Spring Harbor, New York; J. H. Means, professor of clinical medicine, Harvard Medical School; Joseph L. Melnick, Yale University Medical School; H. Meltzer, Director, Psychological Service Center, St. Louis; Fred A. Mettler, professor of neurology, Columbia University Medical School; Otto Meyerhof, professor of chemistry, University of Pennsylvania Medical School; Howard A. Meyerhoff, Executive Secretary, AAAS, Smithsonian Institution Building, Washington, D. C.; Walter R. Miles, professor of psychology, Yale University; P. H. Miller, Jr., professor of physics, University of Pennsylvania; George R. Minot, Harvard Medical School; S. A. Mitchell, Director, McCormick Observatory, University of Virginia; Wesley C. Mitchell, economist, 2 Howard Street, New York City; Stuart Mudd, University of Pennsylvania Medical School; Gardner Murphy, professor of psychology, College of the City of New York.

Louis Nahum, Yale University Medical School; Edwin G. Nourse, Brookings Institution; Alex B. Novikoff, Brooklyn College, New York.

Mervin E. Oakes, Queens College, New York City; William F. Ogburn, professor of sociology, University of Chicago; Jean Oliver, professor of pathology, Long Island College of Medicine, New York City; J. Robert Oppenheimer, professor of physics, University of California; Bernard L. Oser, President, Food Research Laboratory, 4814 33rd Street, Long Island City, New York.

D. H. Palmer, 271 West 70th Street, New York City; Alvin M. Pappenheimer, Columbia University Medical School, 630 West 168th Street, New York City; Leland W. Parr, professor of bacteriology, Washington University Medical School; Talcott Parsons, Emerson Hall, Harvard University; W. W. Pierson, Dean, Graduate School, University of North Carolina; William E. Powers, College of Liberal Arts, Northwestern University; John P. Peters, Yale University Medical School; R. A. Phillips, Rockefeller Institute for Medical Research, New York City; A. P. Poffenberger, professor of psychology, Columbia University.

Hans Rademacher, professor of mathematics, Swarthmore College; Walter Rautenstrauch, professor of engineering, Columbia University; H. H. Remmers, professor of psychology, Purdue University; Robert Redfield, professor of sociology, University of Chicago; Oscar K. Rice, professor of chemistry, University of North Carolina; Charles E. Rickart, Department of Mathematics, Yale University; Bernard F. Riess, Hunter College, New York; David D. Rutstein, Deputy Commissioner of Health, New York City.

Alexander Sandow, professor of biology, New York University; George Saslow, Washington University Medical School; Arthur L. Schade, Overly Biochemical Research Foundation, 254 West 31st Street, New York City; Karl P. Schmidt, Chicago Natural History Museum; Isaac Schour, University of Illinois Dental School; Henry Schumacker, Cleveland Guidance Center; Robert R. Sears, Director, Child Welfare Research Station, State University of Iowa; Carroll L. Shartle, professor of psychology, Ohio

State University; Theodore Shedlovsky, Rockefeller Institute, New York City; Sumner H. Slichter, professor of history, Harvard University; Gustaf Soderberg, 412 Turner, Chevy Chase, Maryland; Joseph John Spengler, Department of Economics, Duke University, Durham, North Carolina; Warren M. Sperry, Columbia University Medical School; Lyman Spitzer, professor of astronomy, Yale University; L. J. Stadler, professor of genetics, University of Missouri; John M. Stalnaker, Dean, Stanford University; Vilhjalmur Stefansson, explorer, 67 Morton Street, New York City; H. Burr Steinbach, professor of zoology, Washington University; William E. Stephens, professor of physics, University of Pennsylvania; George W. Stocking, professor of economics, University of Texas; Gustaf Stromberg, Mount Wilson Observatory.

C. Fayette Taylor, professor of engineering, Massachusetts Institute of Technology; Leland H. Taylor, professor of biology, West Virginia University; Lloyd W. Taylor, professor of physics, Oberlin College; Dorothy Swaine Thomas, University of California, Berkeley, California; Warren S. Thompson, Scripps Foundation, Miami University, Oxford, Ohio; Ralph W. Tyler, Dean of Education, University of Chicago.

Wilbur G. Valentine, Department of Geology, Brooklyn College; Maurice B. Visscher, professor of physiology, University of Minnesota.

Selman A. Waksman, Agricultural Experiment Station, New Brunswick, New Jersey; David Webster, Department of Physics, Stanford University; Nathaniel Weiner, Endo Products, Inc., 84-40 101st Street, Richmond Hill 18, New York; E. W. Went, professor of botany, California Institute of Technology; F. W. Weymouth, professor of physiology, Stanford University; Abraham White, Yale University Medical School; Philip R. White, Rockefeller Institute, Princeton, New Jersey; J. Stewart Williams, professor of geology, Utah State College; William F. Windle, Director, Neurological Institute, Northwestern Medical School; Louis Wirth, professor of sociology, University of Chicago.

Robert M. Yerkes, emeritus professor of psychobiology, Yale University; Donald Young, Chairman, Social Science Research Council, 230 Park Avenue, New York City; Ralph A. Young, professor of economics, University of Pennsylvania.

## Catalogue Corner

Please write directly to the company indicated for any publication you wish mentioning the bulletin number and Science. Publications are gratis unless otherwise noted.

Laboratory combustion furnace. A folder from the Laboratory Equipment Corporation describes their new postwar high temperature combustion furnace. The unit is particularly suited for laboratory use because its overall dimensions are but 23 inches high, 23 inches wide, and 18 inches deep, with a gross shipping weight of 350 pounds. The specifications submitted indicate that the operating temperatures for sulphur analysis are 2600 to 2700 degrees F. and 2300 to 2600 degrees F. for carbon analysis of alloy steels. Other details include extraheavy insulation, heavy cast aluminum housing and three-quarter inch Silicon Carbide rod elements. Leco 2600 high temperature combustion furnace, data sheets, SC-461. Laboratory Equipment Corp., Benton Harbor, Michigan.