

**CORRECTION TO "A NOTE ON COMBINED INTERBLOCK
AND INTRABLOCK ESTIMATION IN INCOMPLETE
BLOCK DESIGNS"**

BY D. A. SPROTT

University of Toronto

In the paper "A note on combined interblock and intrablock estimation in incomplete block designs," *Ann. Math. Stat.* Vol. 27 (1956), pp. 633-641, the third sentence "Thus it is possible to estimate variety . . ." is obviously false and should be deleted. The correction does not affect the rest of the paper.

NEWS AND NOTICES

Readers are invited to submit to the Secretary of the Institute news items of interest

Personal Items

Professor Kenneth J. Arrow, Stanford University, is on leave for the academic year 1956-7 as Fellow of the Center for Advanced Study in the Behavioral Sciences.

George J. Auner has been employed as Staff Statistician, Applied Mathematics Section, Technical Services with the Jones and Laughlin Steel Corporation, Pittsburgh, Pennsylvania.

Dr. John L. Bagg has become Assistant Professor in the Department of Mathematics of Florida State University and is teaching mathematical statistics.

Dr. Geoffrey Beall has resigned as Chairman of the Department of Statistics at the University of Connecticut and is now connected with the Division of Manufacturing, Gillette Safety Razor Company in Boston, Massachusetts.

Stuart A. Bessler, formerly a graduate student and instructor of economics at the University of Minnesota, will continue his graduate studies at Stanford University where he will also be associated with the Applied Mathematics and Statistics Laboratory.

Allan Birnbaum has been appointed visiting Lecturer in Mathematics at Imperial College of Science and Technology (University of London) for the year 1956-1957.

LeRoy S. Brenna has accepted a Graduate assistantship from V.P.I. to take work leading to a Doctoral degree in Statistics. He is presently on leave of absence from Eastman Kodak.

D. R. Cox of the University of North Carolina, has been appointed to a Readership in Statistics, University of London at Birkbeck College.

Herbert T. David has been appointed Assistant Professor in the Statistical Laboratory of Iowa State College, Ames, Iowa.

Bernard J. Derwort received his Ph.D. at St. Louis University in June 1956 and is now a senior research engineer at North American Aviation, Inc., Columbus, Ohio.

David B. Duncan resigned his position in the Agricultural Experiment Station and College of Agriculture at the University of Florida to join the staffs of the Departments of Statistics and Biostatistics at the University of North Carolina on September 1, 1956.

Meyer Dwass, who was a visiting faculty member of the Department of Statistics, Stanford University, has returned to his post at the Department of Mathematics, Northwestern University.

Dr. Robert F. Fagot has accepted a position as Asst. Professor of Psychology at the University of Oregon, Eugene, Oregon.

Edwards N. Fiske received his Masters degree from V.P.I. in June 10, 1956 and is now working for North American Aviation, Inc., Columbus, Ohio.

Dr. Thornton C. Frye, Assistant to the President of Bell Telephone Laboratories, retired from the Laboratories on October 1st, after completing more than 40 years of Bell System service. He is a Fellow of the Institute of Mathematical Statistics. He is best known as an expert on the mathematical theory of probability, and especially its application to various communication problems. He plans to engage in consulting work.

Donald A. Gardiner has joined the staff of the Mathematics Panel of the Oak Ridge National Laboratory, Oak Ridge Tennessee, in the capacity of Statistician. His responsibilities include consulting with engineers engaged in research for the Atomic Energy Commission.

Charles E. Gates, having completed a tour of duty in the U.S. Army, has accepted the position of Station Statistician with the Agricultural Experiment Station at the University of Minnesota.

Randolph R. M. Geoghagen has, since August, been appointed as a Research Engineer at Rocketdyne, a division of North American Aviation, Inc., Los Angeles, California.

Earl L. Green has resigned as professor of zoology at the Ohio State University to become director of the Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine, succeeding Dr. C. C. Little who founded the Laboratory in 1929.

E. J. Gumbel, Adjunct Professor, Columbia University, taught Mathematical Statistics at the Free University of Berlin at the Summer Session of 1956. He has been restored to the position of University Professor by the state of Baden (Germany) and has been retired with this rank. (Gumbel was the first German professor dismissed by the Nazis).

Bernard Harris returned to his position as mathematician for the Department of Defense after a year's leave at the Applied Mathematics and Statistics Laboratory of Stanford University.

C. Roger Heimlich has left his position as statistician with the U. S. Public Health Service, Communicable Disease Center, Atlanta, Georgia and joined the staff of the Cummins Engine Company, Columbus, Indiana, as quality control analyst.

G. Ronald Herd received a Ph.D. degree in statistics from the Department of Statistics, Iowa State College, in December 1956; his doctoral thesis dealt

with "Estimation of the parameters of a population from a multi-censored sample." He is remaining with Aeronautical Radio, Inc., in Washington, D. C., as Consultant in the Reliability Research Department.

W. T. Hirnyck has accepted the position of Quality Control Supervisor with the Continental Can Company, Inc., Bond Crown and Cork Division, Wilmington, Delaware.

Dr. John F. Hofmann, after resigning from his position at Corona and serving as a consultant in statistics at North American Aviation and Douglas Aircraft, has joined the staff of Systems Laboratories Corp. of Sherman Oaks, California. SLC is a recently formed company of scientists, mathematicians and engineers serving defense industries as consultants.

William C. James has been transferred from Caracas, Venezuela to San Salvador, El Salvador where his work will be the same as that before, technical advisor in Vital and Public Health Statistics under the program of the United States Operations Mission to El Salvador.

M. V. Johns, Jr. having received his Ph.D. from Columbia University, is now employed as a Research Associate at the Applied Mathematics and Statistics Laboratory, Stanford University.

Mortimer B. Keats has resigned as Head, Analysis Division, Quality Surveillance Department, U. S. Naval Powder Factory, Indian Head, Maryland, to accept a position as Statistician, with the Light Military Electronics Equipment Department, General Electric Company, Utica, New York.

Melville R. Klauber is now serving as a 2nd Lt. in the Air Force at Ellington Air Force Base.

William Kruskal has returned to the Committee on Statistics, University of Chicago, after a year's visit with the Department of Statistics, University of California, Berkeley.

Thomas E. Kurtz, who received his Ph.D. from Princeton University in June, 1956, is now an instructor in the Department of Mathematics, Dartmouth College.

Alfred Lieberman, formerly with the Advance Development Division of the AVCO Mfg. Corp., has joined the Statistical Engineering Section of the Bureau of Ships as mathematical statistician in charge of experimental design.

George F. Lunger has resigned his position as Senior Analyst on the Ford Motor Company Quality Control Staff to accept a position as mathematician in the Advanced Applications Section of the Univac Division of Sperry Rand Corporation located at St. Paul, Minnesota.

Richard B. McHugh is a Visiting Lecturer in the Biostatistics Division, Medical College, University of Minnesota during 1956-57, on leave from his position as associate professor of psychology and statistics at Iowa State College.

G. L. Marcus is currently employed at the Armour Research Laboratories, Statistical Research Section, Chicago, Illinois.

Upon completing requirements for a doctorate in statistics, Carl E. Marshall returned last fall to his position as professor of mathematics and director of the

Statistical Laboratory at Oklahoma A&M College. He was granted the Ph.D. degree by Iowa State College in December; his dissertation was entitled "Cost control of sample surveys by two-step designs."

W. Jay Merrill, Jr. has joined the General Electric Company in the Statistical Methods Section of The General Engineering Laboratory as a consulting statistician for engineering and administrative applications.

Donald F. Morrison has reported for active duty with the U. S. Public Health Service, Commissioned Corp, National Institute of Mental Health, Bethesda, Maryland, as a Mathematical Statistician. Prior to this he was a graduate student at the University of North Carolina and staff member, Lincoln Laboratory, Massachusetts Institute of Technology.

Milton Morrison, formerly Research Engineer-Statistician with the Experimental Towing Tank, Stevens Institute of Technology, is now with Vitro Laboratories, West Orange, New Jersey. His duties include work in statistics and operations research.

Eliezer Naddor, formerly of the Operations Research Group, Case Institute of Technology, has been appointed Assistant Professor of Industrial Engineering at the School of Engineering, Johns Hopkins University, Baltimore, Maryland.

John D. Neff received his Ph.D. at the University of Florida in August, 1956, and is now an instructor in the Department of Mathematics at Case Institute of Technology.

Dr. M. G. Neurdenburg, D.P.H., Med. Off. of Health (Statistics), has moved from Amsterdam to Therese Schwartzestraat 20, The Hague, Netherlands.

Dr. Wesley L. Nicholson has recently accepted a position as research statistician with the Hanford Atomic Products Operation of the General Electric Company, Richland, Washington.

Dr. Bernard Ostle, Professor of Mathematics at Montana State College has been appointed Director of the recently formed Statistical Laboratory.

Emanuel Parzen, formerly Assistant Professor of Mathematical Statistics at Columbia, is now Assistant Professor of Statistics at Stanford.

Roger S. Pinkham is on leave of absence for a year from Duke University and is spending the year at Princeton as a research assistant.

Frank Proschan is on leave from Sylvania's Missile Systems Laboratory to study for a Ph.D. in statistics at Stanford University.

Ronald Pyke, having received his Ph.D. at the University of Washington, has accepted a Research Associate's position at the Applied Math. and Stat. Lab. of Stanford University.

Bayard Rankin has accepted a position as Assistant Professor in the Department of Mathematics, Case Institute of Technology.

Herman Ravitch, who is now a graduate student in the statistics department of the University of Pennsylvania, is now employed as a mathematical statistician on Project Caramu, an Air Force project contracted by the University of Pennsylvania.

Dr. Lowell J. Reed retired from the presidency of The Johns Hopkins University on October 1, 1956, being succeeded by Dr. Milton S. Eisenhower. Dr. Reed's future address will be Shelburne, New Hampshire.

John H. Rosenboom, formerly at Johns Hopkins Operations Research Office, has joined the Operations Research Department of Booz, Allen and Hamilton in Chicago.

Marvin A. Schneiderman has been appointed Biometric Consultant to the Cancer Chemotherapy National Service Center, a cooperative group sponsored by the United States Public Health Service, the Atomic Energy Commission, the Veterans Administration, the Food and Drug Administration, the American Cancer Society, and the Damon Runyon Fund.

Professor Jack Silber has returned to Roosevelt University after spending the spring and summer semesters as consultant to the Assistant for Operations Analysis, United States Air Force.

Morris Skibinsky, on leave of absence from Purdue University this year, is a visiting Assistant Professor in the Department of Statistics at Michigan State University.

James E. Thompson is on a fellowship from his position as mathematician with the Defense Department and is doing graduate work with the Department of Statistics at Stanford University for one year.

Dr. B. D. Tikkiwal has joined Karnatak University Dharwar as Head of the Dept. of Statistics since June, 1956 on his return from the U.S.A. During his stay in the United States he completed his Ph.D. at the University of North Carolina, Raleigh, N. C., in August 1955 and then worked for some time in the Institute of Statistics at Raleigh as Assistant Statistician.

Howard G. Tucker, formerly assistant professor of mathematics at the University of Oregon, is now Assistant Professor of Mathematics at the University of California, Riverside.

M. C. K. Tweedie, who has been on the faculty of the Virginia Polytechnic Institute for the past four years, has taken a position as Temporary Lecturer in Mathematical Statistics at the University of Manchester, England.

W. Allen Wallis has become Dean of the Graduate Business School at the University of Chicago, but is on leave of absence for 1955-56 as a Fellow of the Ford Center for Advanced Study at Stanford. He is continuing as Editor of the Journal of the American Statistical Association.

Ernest Charles Weigel, who received an M.S. in applied statistics at Rutgers University, New Brunswick, New Jersey, has accepted the position of Accountant Analyst with Western Electric Company, Inc., Kearny, New Jersey.

Dr. Max A. Woodbury has accepted an appointment as Professor of Mathematics, College of Engineering, New York University, New York 53, N. Y.

Evan J. Williams of the Division of Mathematical Statistics, Commonwealth Scientific and Industrial Research Organization, Australia, has taken up a position as Visiting Research Professor with the Institute of Statistics, University of North Carolina, Raleigh, N. C.

New Members

The following persons have been elected to membership in the Institute

August 16, 1956 to November 7, 1956

- Alcaide, Angel**, Doctor en Ciencias Economicas (University of Madrid), Estadístico Facultativo, Instituto Nacional de Estadística, Calle Ferras, No. 41, Madrid, Spain, *Calle de la Ruda, No. 17, Madrid, Spain.*
- Allen, George H.**, B.S. Math. (Boston College), Statistician, Missile and Radar Division, Raytheon Manufacturing Co., Maynard, Massachusetts, *79 Nahanton Ave., Milton 86, Mass.*
- Anderson, William B.**, B.A. (UCLA), Mathematician, The Rand Corp., Santa Monica, California, *34 Forest Ave., Natick, Mass.*
- Benepe, Otis J.**, Ph.D. (University of Washington), Technician, Ramo-Wooldridge Corp., 5730 Arbor Vitae, Los Angeles 45, Calif.
- Bleicher, Edwin**, M.S. (VPI), Technical Staff Member, Bell Telephone Laboratories, Inc., 555 Union Blvd., Allentown, Pa.
- Bundgaard, Svend**, Professor, Matematisk Institut, Universitetsparken, Aarhus, Denmark.
- Campbell, Robert L.**, M.Ed. (Louisiana State Univ.), Instructor, Teachers College, Univ. of Hawaii, Honolulu, T. H.
- Ciminera, Joseph L.**, B.Sc. (Phila. College Pharmacy and Science), Biometrician and Lecturer in Stat., Merck Sharp and Dohme Research Laboratories, West Point, Pa., Villanova Univ., Pa.
- Eissner, Robert M.**, M.A. (University of Delaware), Analytical Statistician, Field Artillery Ammo. Section, Surv. Branch, Ballistic Research Laboratories, Aberdeen Proving Ground, Maryland, *P.O. Box 446, Newark, Delaware.*
- Epling, Mary L.**, B.S. (American University), Mathematician, National Bureau of Standards, Washington 25, D. C., *5142 Nebraska Ave., N. W., Washington 8, D. C.*
- Fagen, R. E.**, Ph.D. (Univ. of Minnesota), Mathematician, Ensign USNR, Department of Defense, Washington, D. C., *4532 Fairfield Drive, Bethesda, Maryland.*
- Franco, Antonio Jose Lopez**, (Actuario-Universidad Central de Venezuela) Jefe Departamento Incendio, Roboy Fianzas, Seguros La Metropolitana S.A., Edificio Rivero, Ibarra a Pelota—ler piso, *Apartado Postal 2197, Caracas, Venezuela.*
- Fujisawa, Hideo**, B.S. (Kyushu University), Graduate, Mathematical Institute, Faculty of Science, Kyushu University, Fukuoka, Japan.
- Gómez, Régulo Carmona**, Dr. en Ciencias Estadísticas y Actuariales (Universidad Central de Venezuela), Jefe del Dpto de Estadística, Seguros La Metropolitana S.A., Edif. Rivero-Ibarra a Pelota No. 14. 1er piso Seguros La Metropolitana S.A., *Aptdo. Postal No. 2197, Caracas, Venezuela.*
- Green, Thomas F.**, M.S. (Lehigh Univ.), Graduate Student, Univ. of North Carolina, Chapel Hill, N. C., *208 Glenburnie St., Chapel Hill, N. C.*
- Hall, Robert A.**, B.S. (Univ. of Washington), Teaching Assistant, University of Washington, Seattle 5, Washington, *4220 12 Ave., Seattle 5, Washington.*
- Hannye, Nancy Lee**, A.B. (Wilkes College), Research Assistant, Cornell Univ., Ithaca, N. Y., *Mathematics Dept. White Hall, Cornell Univ., Ithaca, N. Y.*
- Hansen, Erik**, M.A. (University of Aarhus), Research Assistant, Institute of Statistics, University of Copenhagen, Sct. Pederstraede 19, Copenhagen, K, *Daemninge 37, Kobenhavn, Valby, Denmark.*
- Iglesias G., Tomas**, Ph.D. (University of Madrid), Researcher, Junta de Energia Nuclear, Serrano 121, Madrid, Spain.
- Itkin, Arthur G.**, M.S. (New York Univ.), Statistician, Merck and Co., Inc., Rahway, N. J., *925 Jersey Avenue, Elizabeth, New Jersey.*
- Jensen, Ernst Lykke**, Cand. Polit. (University of Copenhagen), Research Assistant, Statis-

- tical Institute, University of Copenhagen, 19 Sankt Pedersstræde, Copenhagen K., Thorupgard Alle 10, Vanløse, Denmark.
- Kesten, Harry**, Ph.D. (University of Amsterdam), Assistant, Statistical Department, Mathematical Centre, Amsterdam, 2^{de} Boerhavestr, Holland, *Room No. 453, Cascadilla Hall, Cornell University, Ithaca, N. Y.* (academic year 1956-57).
- Keyser, C. J.**, M.S. (Stevens Inst. of Tech.), Technical Staff Member, Quality Assurance Department, Bell Telephone Laboratories, Inc., 463 West St., New York 14, N. Y.
- Koehler, Truman L., Jr.**, B.S. (Muhlenberg College), Statistician-Quality Control Engineer, Sylvania Electric Products, Inc., Towanda, Penna.
- Kupferberg, Stanley J.**, B.S. (Queens College), Student, Univ. of Chicago, Chicago, Illinois, *1413 E. 60th Street, Chicago 37, Illinois.*
- Meisner, Morris J.**, B.S. (City College of New York), Engineer, Curtiss-Wright Corporation, Wright Aeronautical Division, Wood-Ridge, New Jersey, *713-15 East 9th St., New York 9, New York.*
- Mendenhall, William, 3rd.**, M.S. (Bucknell Univ.), Student, N. C. State College, Department of Experimental Statistics, Raleigh, North Carolina.
- Morimoto, Haruki**, B.S. (Tokyo University), Graduate Student, Tokyo University, Moto-fujimachi 1, Bunkyo, Tokyo, Japan, *732 Saginomiya, 2-chome, Nakano, Tokyo, Japan.*
- Neuburg, E. P.**, M.S. (Univ. of Chicago), Mathematician, Dept. of Defense, National Security Agency, Washington 25, D. C., *Route 2, Silver Spring, Maryland.*
- Potthoff, Richard F.**, B.A. (Swarthmore College), Graduate Student, Dept. of Statistics, Univ. of North Carolina, Chapel Hill, N. C.
- Proctor, Charles H.**, M.A. (Michigan State Univ.) Instructor, Dept. of Statistics, Michigan State University, East Lansing, Michigan.
- Reveron O. C.**, Licenciado en Ciencias Estadísticas (Universidad Central de Venezuela), Banco Central de Venezuela, Esquina de Sta. Capilla, Caracas, Venezuela.
- Roberts, Donald M.**, M.A. (University of Illinois), Research Assistant, Applied Mathematics and Statistics Lab., Stanford University, Stanford, California.
- Rosenfeld, Abraham**, M.S. (M.I.T.), Analytical Statistician, Section Chief, Surveillance Branch, Weapon Systems Lab., B.R.L. Aberdeen Proving Ground, Maryland, *R.D. No. 2, Aberdeen, Maryland.*
- Shah, Vishwa Parakram**, M.S. (N. C. State College), Project Director, Life Insurance Agency Management Association, 855 Asylum Ave., Hartford 5, Conn.
- Shapiro, J. M.**, Ph.D. (University of Minnesota), Asst. Prof. of Math., Ohio State University, Columbus 10, Ohio, Department of Mathematics.
- Shelly, Maynard W., Jr.**, Ph.D. (University of Wisconsin), Research Associate, 259 Natorium Laboratory of Aviation Psychology, Ohio State University, Columbus 10, Ohio, *1824-C Northwest Court, Columbus 12, Ohio.*
- Shelton, John R.**, B.A. (New York University), Division Chief, Operations Standard Division, The Port of New York Authority, 111 Eighth Avenue, New York 11, New York.
- Shirafuji, Michie**, B.S. (Kyushu University), Graduate Student, Kyushu University, Faculty of Science, Fukuoka, Japan.
- Tanaka, Hiroshi**, B.S. (Kyushu University), Graduate, Kyushu University, Faculty of Science, Fukuoka, Japan.
- Theil, Henri**, Ph.D. (University of Amsterdam), Professor, Director of the Econometric Institute, Netherlands School of Economics, Pieter de Hoochweg, Rotterdam, The Netherlands.
- Toda, Hideo**, Bach. of Eng. (Univ. of Tokyo), Graduate Student, Department of Applied Physics, Faculty of Engineering, University of Tokyo, Hongo, Tokyo, Japan, *6-432, Omiyamae-tyo, Suginami-ku, Tokyo, Japan.*
- Tung, Irene**, M.A., (University of Michigan), Instructor, Dept. of Mathematics, Uni-

versity of Houston, Cullen Boulevard, Houston 4, Texas, *4380 Blodgett, Houston 4, Texas.*

Twery, Raymond J., A.M. (Univ. of Ill.), Mathematics Asst., Univ. of Illinois, Urbana, Illinois, *1107 W. Green (Apt. 621), Urbana, Illinois.*

Vaart, H. Robert van der, D.Sc. (State University of Leiden) Scientific head-officer, Science Faculty of Leiden University, and Docent in the same Faculty, Zoological Laboratory, Kaiserstraat 63, Leiden, Netherlands.

Ward, Ulysses V., B.A. (Wayne University), Social Worker, Michigan State Department of Social Welfare, Wayne County Bureau of Social Aid, 32 Duffield, Detroit 1, Michigan, *3903 Montclair Avenue, Detroit 14, Michigan.*

Yanes Castro, Ana Isabel, Licenciado en Ciencias Estadísticas (Universidad Central de Venezuela) Ministerio del Trabajo (Dirección de Previsión Social), Edificio Sur-Avenida Bolívar, Caracas, Venezuela, *Sur 9 bis No. 2-Caracas, Venezuela.*

CIVIL SERVICE APPLICATIONS

The United States Civil Service Commission announces that applications are being accepted for Engineer and Physical Science positions for duty in activities of the Potomac River Naval Command in and near Washington, D. C., and in the Engineer Center, U. S. Army, Fort Belvoir, Virginia. The beginning salaries range from \$4,480 to \$11,610 a year.

To qualify for the lower grade positions, applicants must have had appropriate education or experience or a combination of both. Additional professional experience is required for the higher grades.

Further information and application forms may be obtained at many post offices throughout the country, or from the U. S. Civil Service Commission, Washington 25, D. C. Applications must be filed with the Executive Secretary, Board of U. S. Civil Service Examiners for Scientific and Technical Personnel, Potomac River Naval Command, Building 72, Naval Research Laboratory, Washington 25, D. C. They will be accepted until further notice.

NEW DEPARTMENT OF STATISTICS AT MICHIGAN STATE UNIVERSITY

The recently-formed Department of Statistics at Michigan State University is now tentatively organized. Following is the present staff roster; others may be added: Professors, W. D. Baten and Leo Katz; Associate Professors, K. J. Arnold and Ingram Olkin; Visiting Associate Professor, Gopinath Kallianpur; Assistant Professors, J. F. Hannan, C. H. Kraft and A. G. Laurent; Instructors, C. H. Proctor and John Van Dyke.

Professor Hannan is on leave for 1956-57 at Stanford University. Professor Kallianpur is visiting at Michigan State University on leave from the Indian Statistical Institute, Calcutta. Professor Katz has been named Head of the Department, effective September 1, 1956. Professor Olkin is returning from a year's leave, 1955-56, at the University of Chicago and Columbia University.

Professor Sir Ronald A. Fisher will spend the Fall Quarter, 1957 in the Department of Statistics as Visiting Distinguished Professor.

STATISTICAL CENTER OFFICIALLY OPENED TO FOREIGN STUDENTS

In the agreement between the United Nations and the Philippine Government, covering the establishment and maintenance of the Statistical Center, University of the Philippines, the Philippine Government was to make the Center available to holders of United Nations fellowships or other persons from abroad interested in statistical training. Upon the implementation of this provision, it was planned that the U.N. would invite the countries in Southeast Asia to send students to the Statistical Center for training in both the theoretical and applied fields of statistics.

UNIVERSITY OF MINNESOTA GRADUATE PROGRAM

The Graduate School of the University of Minnesota announces for the second consecutive year a four-year graduate training and fellowship program for prospective research workers in the behavioral sciences, leading to the Ph.D. degree in one of the following behavioral disciplines: economics, political science, social anthropology, psychology or sociology. Competition for 1957-58 appointments is open to highly qualified students who have not completed previous graduate training but who expect to receive their B.A. degree before September 1957. Seeking to provide training for those who will be concerned with research requiring crucial contributions from two or more fields of social science knowledge, the program permits both specialization in a single social science field and mastery of a common core of subject matter from several behavioral disciplines. Successful applicants study on a four-year stipend schedule of alternating fellowship and assistantship support. Detailed information and application forms may be secured from Mrs. Ann Cornog, 404 Johnston Hall, University of Minnesota, Minneapolis 14, Minnesota.

SUMMER SESSIONS AT BERKELEY, CALIFORNIA

The 1957 summer program in the Department of Statistics of the University of California, Berkeley, California, will consist of two sessions: June 17 to July 27 and July 29 to September 7. The faculty of the summer sessions will include Professor D. A. Edwards of Yale University, Dr. Walter L. Smith of the University of Cambridge, England, Dr. M. M. Brooke, Dr. W. J. Hall, Dr. R. E. Serfling and Dr. M. B. Willis of the Communicable Disease Center, Public Health Service, Atlanta, Georgia, Dr. Nathan Mantel of the National Institutes of Health, Bethesda, Maryland and Professors Evelyn Fix, J. Neyman and R. A. Wijsman of the Department of Statistics of the University of California, Berkeley.

The program includes two of the usual undergraduate courses in each session,

adapted primarily to meet the needs of students transferring from other centers who would like to undertake advanced study at the University of California during the regular academic year. Also a research seminar in statistical problems of health will be conducted in close collaboration with the representatives of the Public Health Service and National Institutes of Health. The discussions will begin with the medico-biological side of the problem and will then be followed by the statistical treatment.

SUMMER OFFERINGS IN STATISTICS AT IOWA STATE COLLEGE

The Department of Statistics at Iowa State College will offer six applied courses in statistical theory and methods in its two 1957 summer sessions. These courses are planned primarily for graduate students or research workers with limited mathematical backgrounds who wish to use statistical techniques intelligently for application to other fields. In addition, a course on special topics in theoretical or applied statistics may be studied at the graduate level. Senior staff members will be available during most of the summer for consultations on research or special problems.

Students may register for either or both of the six-week summer sessions: June 18 to July 24 and July 24 to August 30. The complete list of statistics offerings for the first session is as follows: Stat. 401, "Statistical Methods for Research Workers" (at the level of Snedecor's *Statistical Methods*); Stat. 447, "Statistical Theory for Research Workers" (mainly theory of experimental statistics); Stat. 599, "Special Topics;" and Stat. 699, "Research". In the second session will be offered Stat. 402, a continuation of 401; Stat. 448, a continuation of 447; two courses in applied methods which are more specialized—Stat. 411, "Experimental Designs for Research Workers," and Stat. 421, "Survey Designs for Research Workers;" and finally Stat. 599 and 699. Additional information may be obtained from T. A. Bancroft, department head and Director, Statistical Laboratory, Iowa State College.

SOUTHERN REGIONAL GRADUATE SUMMER SESSIONS IN STATISTICS

The fourth Southern Regional Graduate Summer Session in Statistics will be held during the summer of 1957 from June 12 through July 20 at the Virginia Polytechnic Institute, Blacksburg, Virginia. Each course carries approximately five quarter hours of graduate credit. The program may be entered at any session, and consecutive courses will be offered in successive summers. The summer work in statistics may be applied towards residence requirements at any one of the cooperating institutions, as well as certain other institutions, in partial fulfillment of residence requirements for graduate degrees. Faculty and courses include E. J. Williams (analysis of variance), Daniel B. DeLury (sampling of biological populations), J. L. McHugh (laboratory accompanying Professor DeLury's course), Willard O. Ash (statistical inference), L. S. Brenna (engineer-

ing statistics), Ralph A. Bradley (rank order statistics), C. W. Clunies-Ross (probability), John E. Freund (stochastic processes), Rudolf J. Freund (sampling), Boyd Harshbarger, Clyde Y. Kramer (statistical methods), and R. Lowell Wine (least squares). Seminars will be conducted by many prominent statisticians. The total tuition fee will be \$38.00 for the six-week term. Inquiries should be addressed to Boyd Harshbarger, Head, Department of Statistics, Virginia Polytechnic Institute, Blacksburg, Virginia.

FINAL EDITORIAL REPORT

The 1956 *Annals* contained ninety papers and notes, and a total (counting miscellaneous material) of 1212 pages. The increase in size allowed the backlog to be kept at somewhat less than one issue. The number of papers submitted in the year ending October 31, 1956 was about 7% more than in the preceding year, but the number of manuscript pages submitted showed a slight decrease. (See Interim report in the December, 1956 *Annals*.)

Many thanks are due to the regular Cooperating Members of the *Annals* for their hard work, and grateful acknowledgment is made to the following people for generous assistance: A. C. Aitken, T. W. Anderson, R. R. Bahadur, N. T. J. Bailey, R. Bellman, P. Billingsley, A. W. Boldyreff, G. E. P. Box, A. B. Clarke, W. G. Cochran, H. E. Daniels, F. N. David, M. Donsker, M. Dresher, M. Dwass, H. P. Edmundson, D. A. Edwards, Joanne Elliot, B. Epstein, P. Erdős, T. Ferguson, D. J. Finney, G. Forsythe, I. J. Good, L. Goodman, F. Graybill, B. G. Greenberg, J. Gurland, L. A. Goodman, P. R. Halmos, W. Hoeffding, P. G. Hoel, H. Hotelling, N. L. Johnson, M. Juncosa, O. Kempthorne, D. G. Kendall, M. G. Kendall, H. Levene, M. Loève, R. D. Lord, E. Lukacs, C. B. McGuire, B. McMillan, W. G. Madow, A. W. Marshall, F. J. Massey, P. Meier, M. R. Mickey, A. M. Mood, P. A. P. Moran, K. W. Morton, L. Moses, M. Peisakoff, J. W. Pratt, R. Pyke, D. Ray, E. Reich, M. Rosenblatt, H. L. Royden, H. Ruben, M. R. Sampford, I. R. Savage, E. L. Scott, L. Shapley, B. Sherman, J. L. Snell, D. Stoller, A. H. Stone, R. F. Tate, H. Teicher, D. Teichroew, A. J. Thomasian, J. W. Tukey, D. Wallace, L. Wegner, B. L. Welch, O. Wesler, and C. B. Winsten.

Special thanks are also due to Ann Greene, Patricia Stebbins, and Dorothy Stewart for editorial assistance.

T. E. HARRIS.

Editor

January 31, 1957

PUBLICATIONS RECEIVED

- STEVE, SERGIO, *Aspetti Attuali dell' Imposizione Indiretta*, and FELICE VINCI, *L' Attivita dell' Istituto nello Scorso Anno Accademico*, Vol. 22, Università degli studi di Milano, Istituto di Scienze Economiche e Statistiche, Milan, 1956, 21 pp.
- VINCI, FELICE, *La Meccanica Economica Nel Pensiero di Vilfredo Pareto Teoria e Pratica dei Costi Comuni*, Vol. 23, Università degli studi di Milano, Istituto di Scienze Economiche e Statistiche, Milan, 1956, 27 pp.