

## CURRICULUM VITAE

NAME: William Jackson Schull

PRESENT TITLE:

Professor Emeritus, The Human Genetics Center, School of Public Health, The University of Texas Health Science Center at Houston, Texas, 1998-present.

ADDRESS:

The University of Texas Health Science Center at Houston, School of Public Health, The Human Genetics Center, Room E453, 1200 Herman Pressler, P. O. Box 20186, Houston, Texas 77225.

TELEPHONE: (713) 500-9812

FAX: (713) 500-0900

BIRTHDATE: 17 March 1922

CITIZENSHIP: U. S. A.

UNDERGRADUATE EDUCATION:

Marquette University, Milwaukee, Wisconsin (B.S., 1946) Zoology

GRADUATE EDUCATION:

Marquette University, Milwaukee, Wisconsin (M.S., 1947) Zoology

Ohio State University, Columbus, Ohio (Ph.D., 1949) Genetics

POSTGRADUATE TRAINING: NA

ACADEMIC APPOINTMENTS:

Teaching Fellow, Ohio State University, 1948-1949

Head, Department of Genetics, Atomic Bomb Casualty Commission, Hiroshima, Japan, 1949-1951

Junior Geneticist, Institute of Human Biology; Instructor, Department of Zoology, University of Michigan, 1951-1953

Assistant Geneticist, Institute of Human Biology; Instructor, Department of Zoology, University of Michigan, 1953-1954. On leave in Japan: 2 January 1954-12 April 1954

Assistant Geneticist, Institute of Human Biology; Assistant Professor, Department of Zoology, University of Michigan, 1954-1956

Assistant Professor, Department of Human Genetics; Assistant Professor, Department of Zoology, University of Michigan, 1956-1958. On leave in Japan: 8 July 1956-16 September 1956

Associate Professor, Department of Human Genetics; Associate Professor, Department of Zoology, University of Michigan, 1957-1962. On leave in Japan: Director, Child Health Survey, Nagasaki, 1 July 1959-1 September 1960

Professor, Department of Human Genetics; Professor, Department of Anthropology, University of Michigan, 1962-1972. On leave in Japan: Director, Hirado Health Survey, February 1964-January 1965; June 1968-September 1968

Visiting Professor of Genetics, Department of Microbiology, University of Chicago, 1963

Visiting Fellow, John Curtin School of Medical Research, Australian National University, July-December 1969

Deutsche Forschungsgemeinschaft Gast Professor, University of Heidelberg, January-June 1970

Sometime Lecturer, Institute of Radiobiology, Kyoto University, Japan, 1979-1980

Vice-Chairman and Chief, Department of Epidemiology and Statistics, Radiation Effects Research Foundation, Hiroshima, Japan, 1978-1980

Director, Radiation Effects Research Foundation, Hiroshima, Japan, 1986-1987 and 1990-1991

Vice Chairman and Chief of Research, Radiation Effects Research Foundation, 1996-1997

Director and Ashbel Smith Professor of Academic Medicine, Center for Demographic and Population Genetics, Graduate School of Biomedical Sciences; Professor of Human Genetics, School of Public Health, The University of Texas Health Science Center at Houston, Texas, 1972-1995; Director, Medical Genetics Center, Graduate School of Biomedical Sciences, The University of Texas Health Science Center at Houston, Texas, 1981-1994.

Director and Ashbel Smith Professor, Human Genetics Center, School of Public Health, University of Texas Health Science Center, Houston, 1995-1998.

HOSPITAL APPOINTMENTS: NA

LICENSURE: NA

CERTIFICATION: NA

PROFESSIONAL ORGANIZATIONS (COMMITTEES AND OFFICES HELD):

American Association for the Advancement of Science, Fellow, 1955

American Association of Physical Anthropologists

American Epidemiological Society

American Society of Human Genetics, Member, Board of Directors; Secretary, 1958-1961; President, 1970

Association for Asian Studies

Genetics Society of America, Member, Committee on International Communications

Human Biology Council

Institute of Mathematical Statistics

International Association of Human Biologists

Michigan Academy of Sciences, Arts and Letters, 1960-1972

Phi Sigma

Radiation Research Society

Sigma Xi

Social Biology

Society for Epidemiological Research

Society for the Study of Human Biology

Society for the Study of Social Biology

Texas Genetics Society

United States-Mexico Border Health Association

Western Pacific Neurological Society, Charter Member

#### HONORS AND AWARDS:

***Order of the Sacred Treasure, Third Class, Emperor of Japan, 1992***

Editors of *Epidemiology* Voices selectee, Vol. 15, No. 1, 2004

American Academy of Arts and Sciences, Fellow, 1999-present

Ashbel Smith Professor of Academic Medicine, 1984-1998

Association of American Publishers, Honorable Mention in Biological Sciences for  
"Effects of Atomic Radiation: A Half-Century of Studies from Hiroshima and Nagasaki"

Atomic Bomb Casualty Commission, Commemorative Award, 1970

Centennial Award, Ohio State University, 1970

Chilean Society of Genetics, Honorary Member

Distinguished Geneticist, Texas Genetics Society, 1994  
Grant Taylor Lecturer, 1991  
James V. Neel Memorial Lecturer, University of Michigan, 2001  
Japanese Society of Human Genetics, Honorary Member  
Marquette University, 1997 Merit Award  
National Academy of Sciences, National Associates 2001  
Peruvian Society of Human Genetics, Honorary Member  
Raymond Pearl Lecturer, Human Biology Council, 1992  
President's Scholar, University of Texas Health Science Center, Houston, 1992  
Silvio O. Conte Environmental Health Award, 1991  
University of Chile, Faculty of Medicine, Honorary Professor, 1993  
Wataru W. Sutow Awardee and Memorial Lecturer, University of Texas System  
Cancer Center, 1996  
Society for Radiological Protection, Honorary Fellow, 2003

**EDITORIAL POSITIONS:**

Editorial Board, *Acta Anthropogenetica*, 1976-present  
Editorial Board, *American Journal of Epidemiology*, 1978-1990  
Editorial Board, *American Journal of Human Genetics*, 1954, 1958, 1969-1978  
Editorial Board, *Arteriosclerosis*, 1980-1990  
Editorial Board, *Behavior Genetics*, 1970-1978  
Editorial Board, *Genetic Epidemiology*, 1983-1990  
Editorial Board, *Human Biology*, 1968-1980  
Editorial Board, *Human Genetics Abstracts*, Excerpta Medica Foundation, 1962  
Editorial Board, *Humangenetik*, 1964-1981  
Editorial Board, *IMA Journal of Mathematics Applied in Medicine and Biology*, 1983-2003  
Editorial Board, *International Journal of Human Genetics*, 2001-present

Editorial Board, International Journal of Radiation Biology, 1991-1995

Editorial Board, International Journal of Radiation Medicine, 1999-2004

Editorial Board, Basic Research Section, Yearbook of Cancer, 1973-1980

Editorial Board, Advances in Radiation Research, 1989-1995

SERVICE ON NATIONAL PANELS, STUDY SECTIONS, COMMITTEES:

American Diabetes Association, Texas Affiliate, Scientific Advisory Board, 1983-1990

American Heart Association, Cardiovascular Research Study Committee, 1976-1978

American Institute of Biological Sciences, Radioepidemiology, Ad hoc Study Group, 1958

Amyotrophic Lateral Sclerosis Society of America, Consultant, 1976-1980

Argonne National Laboratory, Review Committee for the Division of Biology and Medicine, 1965-1969

Atomic Energy Commission, Advisory Committee on Biology and Medicine, 1970-1973

Atomic Energy Control Board, Canada, Advisor and Consultant, 1983-1993

Brookhaven National Laboratory, Visiting Committee of the Medical Department, 1981-1984

Commission for the Control of Huntington's Disease and its Consequences, National Institutes of Health, Member, Working Group on Epidemiology and Genetics, 1976-1977

Department of Energy, Advisory Committee on Nuclear Facility Safety, 1989-1991

Environmental Health Service, National Center for Radiological Health, Consultant, 1966-1977

Environmental Protection Agency, Study Group on Mutagenicity Testing, 1976-1977

Environmental Protection Agency, Science Advisory Board, Environmental Health Committee, 1982-1984

Environmental Protection Agency, Science Advisory Board, Radiation Advisory Committee, 1984-1989 (Chairman)

Environmental Protection Agency, Ad hoc Review Group on Radiation Hazards, 1984

General Motors Research Foundation, New York, C. S. Mott Award Selection Committee, 1981-1982

Hiroshima Prefectural Medical Association, Hiroshima, Japan: Consultant, 1979-1980

Institute of Medicine, Committee to Study the Feasibility of, and Need for, Epidemiological

Studies of Adverse Pregnancy Outcomes in Families of Military Personnel Present at Atmospheric Tests of Nuclear Weapons, Chairman, 1995

International Commission on Protection Against Environmental Mutagens and Carcinogens (ICPEMC)

International Commission on Radiation Protection (ICRP), Committee One, Member, 1978-1993

International Consortium for Research on the Health Effects of Radiation, Chairman, Scientific Policy Council, 1994-1999; Chairman, Board of Directors, 2000-2004

National Council on Radiation Protection and Measurements; Member of Council, 1984-1990; Honorary Member 1990-2004

National Council on Radiation Protection and Measurements; Member Committees 59 and 76, 1983-1990

National Heart and Lung Institute, Lipid Metabolism Advisory Committee, 1972-1976

National Heart and Lung Institute, Task Force on Genetic Factors in Atherosclerotic Disease, Chairman, 1974-1975

National Heart and Lung Institute, Task Force on Heart Disease in Childhood, Member, 1977-1978

National Heart and Lung Institute, Lipid Metabolism Epidemiology Executive Committee, 1976-1978

National Heart and Lung Institute, Lipid Metabolism Prevalence Committee, 1971-1972

National Heart, Lung and Blood Institute, Lipid Metabolism Program, Family Study Executive Committee, Member, 1976-1978, 1980-1984

National Heart, Lung and Blood Institute, Lipid Metabolism Program, Follow-up Study Executive Committee, Chairman, 1978; Member 1976-1978, 1980-1983

National Institute of Arthritis, Metabolism and Digestive Diseases, Working Group on Nomenclature and Classification of Diabetes, 1978

National Institute of Dental Research, Board of Scientific Counselors, Member 1966-1968; Chairman, 1968-1969; Consultant, 1969-1973

National Institute of Health, Division of Research Grants, Genetics Study Section, Member, 1961-1965; Chairman, 1969-1972

National Institute of Health, Division of Research Grants, Epidemiology and Disease Control Study Section, Member, 1983-87

National Institute of Neurological Diseases and Blindness, Consultant, 1956-1959, 1961-1963

National Institute of Neurological Diseases and Blindness, Ad hoc Committee for the Collaborative Project, 1956-1959

National Institute of Neurological Diseases and Stroke, Special Consultant to Field Studies Branch, 1972

National Multiple Sclerosis Society, Consultant, 1976, 1983

National Research Council, Atomic Bomb Casualty Commission, Consultant, 1954, 1956, 1959, 1964, 1968

National Research Council, Committee for the Study of Inborn Errors of Metabolism, 1972-1975

National Research Council, Committee on the Effects of Extremely Low Frequency Radiation, 1975-1977

National Research Council, Advisory Committee on the Radiation Effects Research Foundation, 1975-1977, 1983-1987

National Research Council, Subcommittee on Twins, Committee on Epidemiology and Veterans Follow-up Studies, 1975-1978; 1980-1998; Chairman, 1984-1987

National Research Council, Committee to Review Portsmouth Naval Shipyards Cytogenetics Protocol, 1982

National Research Council, Consultant to Panel on Radiation Hazards Incurred by Occupation Troops in Japan, 1981

National Research Council, Committee on the Department of Energy's Radiation Epidemiological Research Programs, 1989-1993

National Research Council, Committee for Assessment of CDC Radiation Studies, Chairman, 1992-2002

National Research Council, Committee for Assessment of CDC Radiation Studies, Subcommittee on the Radioepidemiology Tables, Chairman, 2000

National Research Council, Committee on the Human Genetic Diversity Project, Chairman, 1995-1997

National Research Council, Committee on Exposure of American People to I-131 from Nevada Atomic Tests, Chairman, 1997-1998

National Research Council, Board on Radiation Effects Research, Member, 1994-2000

Nuclear Regulatory Commission, Consultant to Drafting Committee for the Health Consequence Report on a Nuclear Power Accident, 1984-1989

Oak Ridge National Laboratory, Advisory Committee to the Division of Biology, 1987-1991

Office of Technology Assessment, U. S. Congress, 1985-1986

Organization of American States (OAS), Special Lecturer, 1975, 1976, 1977

Pan American Health Organization (PAHO), Special Consultant, 1967

Public Health Service, National Advisory Committee on Radiation, 1960-1964

Public Health Service, Division of Radiological Health, Consultant, 1964-1966

Public Health Service, Office of Health Statistics Analysis, Special Consultant, 1965

Public Health Service, Health Services and Mental Health Administration, National Center for Health Services Research and Development, Consultant, 1968-1970

Southwest Foundation for Research, San Antonio, Advisory Committee, 1981-1985

Radiation Effects Research Foundation, Department of Epidemiology and Statistics, Senior Consultant, 1980-present

United Nations, Scientific Committee on the Effects of Atomic Radiation, Consultant, 1983-1993

United States Man and the Biosphere Program, Project 12 Directorate, 1976-1982

World Health Organization (WHO), Panel of Experts on the Effects of Radiation, 1958-1961; Panel of Experts on Human Heredity, 1961-1991

World Health Organization (WHO), Consultant to the collaborative program on the effects of prenatal exposure to the nuclear accident at Chernobyl, 1992-1995

World Health Organization (WHO), Lecturer, Seminar on Human Genetics and Public Health, November-December 1969

#### BIBLIOGRAPHY:

##### Refereed Original Articles:

1. Neel, J. V., Schull, W. J. and Shapiro, H. S. (1952) Absence of linkage between the genes responsible for the sickling phenomenon. The MN blood types, and the S-agglutinin. *Am. J. Hum. Genet.* 4:204-208.
2. Crowe, F. W. and Schull, W. J. (1952) Phenylketonuria, studies in pigment formation. *Folia Hered. Pathol.* 1:259-268.
3. Schull, W. J. (1953) The effect of Christianity on consanguinity in Nagasaki. *Am. Anthropol.* 55:74-88.
4. Crowe, F. W. and Schull, W. J. (1953) Diagnostic importance of cafe-au-lait spots in neurofibromatosis. *Arch. Int. Med.* 91:758-766.



5. Neel, J. V., Schull, W. J. et al. (1953) The effect of exposure to the atomic bombs on pregnancy terminations in Hiroshima and Nagasaki: Preliminary report. *Science* 118:537-541 (see also *Jap. J. Genet.* 28: 211-218, 1953).
6. Schull, W. J. and Crowe, F. W. (1953) Neurocutaneous syndromes in the M kindred: A case of simultaneous occurrence of tuberous sclerosis and neurofibromatosis. *Neurology* 3:904-909.
7. Neel, J. V., Schull, W. J. et al. (1953) The effect of exposure of parents to the atomic bombs on the first generation offspring in Hiroshima and Nagasaki: Preliminary report. *Jap. J. Genet.* 28:211-218.
8. Sutton, H. E., Clark, P. J. and Schull, W. J. (1955) The use of multi-allele genetic systems in the diagnosis of twin zygosity. *Am. J. Hum. Genet.* 7:180-188.
9. Neel, J. V. and Schull, W. J. (1956) Studies on the potential genetic effects of the atomic bombs. *Proc. I Intern. Cong. Hum. Genet., Copenhagen, 1956. Acta Genet. Stat. Med.* 6:183-196.
10. Thieme, F. P. and Schull, W. J. (1957) Sex determination from the skeleton. *Hum. Biol.* 29:242-273.
11. Neel, J. V. and Schull, W. J. (1957) Studies on the potential genetic effects of the atomic bombs. *Proc. Int. Genetics Symposia, Tokyo and Kyoto, 1956, Cytologia (Suppl)* pp. 57-69.
12. Schull, W. J. and Furuta, M. (1957) Persistent gill slits - A dominant trait? *Jap. J. Hum. Genet.* 2:33-34.
13. Schull, W. J. (1958) Empirical risks in consanguineous marriages: Sex ratio, malformation, and viability. *Am. J. Hum. Genet.* 10:294-343.
14. Schull, W. J. (1958) A note on consanguineous marriages in the cities of Hiroshima and Nagasaki. *Jap. J. Hum. Genet.* 3:33-37.
15. Schull, W. J. and Neel, J. V. (1958) Radiation and the sex ratio in man. *Science* 128:343-348.
16. Schull, W. J. (1959) Inbreeding effects on man. *Eugen. Q.* 6:102-109.
17. Schull, W. J. and Neel, J. V. (1959) Atomic bomb exposure and the pregnancies of biologically related parents: A prospective study of the genetic effects of ionizing radiation in man. *Am. J. Public Health* 49:1621-1629.
18. Neel, J. V., Schull, W. J. and Takeshima, K. (1959) A note on achondroplasia in Japan. *Jap. J. Hum. Genet.* 4:165-172.
19. Blatt, I. M., Seltzer, H. S., Rubin, P., Furstenberg, A., Maxwell, J. H. and Schull, W. J. (1959) Fatal granulomatosis of the respiratory tract (lethal midline granuloma -- Wegener's granulomatosis). *AMA Arch. Otolaryngol.* 70:707-757.

20. Falls, H. F. and Schull, W. J. (1960) Hallermann-Streiff syndrome. *AMA Arch. Ophthalmol.* 63:409-420.
21. Schull, W. J. and Sugiyama, S. (1960) Consanguineous marriages in feudal Japan. *Monumenta Nipponica* 15:126-141.
22. Schull, W. J. and Neel, J. V. (1962) Letter-to-the editor: Maternal radiation and mongolism. *Lancet* i:537-538.
23. Neel, J. V. and Schull, W. J. (1962) The effect of inbreeding on mortality and morbidity in two Japanese cities. *Proc. Natl. Acad. Sci.* 48:573-582.
24. Schull, W. J. (1962) Inbreeding and maternal effects in the Japanese. *Eugen. Q.* 9:14-22.
25. Neel, J. V. and Schull, W. J. (1962) Genetic effects of the atomic bombs: Rejoinder to Dr. De Bellefeuille. *Acta Radiol.* 58:385-399.
26. Schull, W. J., Yanase, T. and Nemoto, H. (1962) Kuroshima: The impact of religion on an island's genetic heritage. *Hum. Biol.* 34:271-298.
27. Schull, W. J. and Neel, J. V. (1962) The effect of inbreeding on mortality in Japan. *Acta Genet. Gemellol. Med.* 11:292-302.
28. Ito, P. K. and Schull, W. J. (1962) Effects of inequality of variance-covariance matrices in multivariate analysis of variance. I. The case of two samples. *Ann. Math. Stat.* 33:1505.
29. Schull, W. J. and Kudo, A. (1962) Certain multivariate problems arising in human genetics (an algorithm for multivariate regression analysis). *Bull. Math. Stat. (Japan)* 10:77-88.
30. Schull, W. J. and Neel, J. V. (1963) Sex linkage, inbreeding, and growth in childhood. *Am. J. Hum. Genet.* 15:106-114.
31. MacCluer, J. W. and Schull, W. J. (1963) On the estimation of the frequency of non-paternity. *Am. J. Hum. Genet.* 15:191-202.
32. Ito, P. K. and Schull, W. J. (1964) On the robustness of the T2 test in multivariate analysis of variance when variance-covariance matrices are not equal. *Biometrika* 51:71-82.
33. Schull, W. J., Ito, P. K. and Soni, A. (1964) Osvrt na krizanje medu rodacima no otoku susku. *Jugoslavenska Akademia Znanosti I Umjetnosti (Odjel za Medicinske Nauke)* 336:147-150. (A note on inbreeding and the Island of Susak).
34. Schull, W. J. (1964) Genetic loads: Their evaluation through studies of inbreeding effects. *Hum. Ecology Race Hygiene* 30(6):43-156.
35. Schull, W. J. and Neel, J. V. (1966) Some further observations on the effects of inbreeding and mortality in Kure, Japan. *Am. J. Hum. Genet.* 18:144-152.
36. Kato, H., Schull, W. J. and Neel, J. V. (1966) A cohort-type study of survival in the children of parents exposed to the atomic bombings. *Am. J. Hum. Genet.* 18:339-373.

37. Schull, W. J., Neel, J. V. and Hashizume, A. (1966) Some further observations on the sex ratio among the offspring of survivors of the atomic bombings of Hiroshima and Nagasaki. *Am. J. Hum. Genet.* 18:328- 338.
38. Schull, W. J. (1966) Of genes, mutations and the atomic bombings of Hiroshima and Nagasaki. *Probe* pp. 33-38.
39. French, J. G., Dodge, H. J., Kjelsberg, M. O., Mikkelsen, W. M. and Schull, W. J. (1967) A study of familial aggregation of serum uric acid levels in the population of Tecumseh, Michigan 1959-1960. *Am. J. Epidemiol.* 86:214-224.
40. Schull, W. J. and Ito, P. K. (1969) A note on the estimation of the ABO gene frequencies and the coefficient of inbreeding. *Am. J. Hum. Genet.* 21:168-170.
41. Cobb, S., Schull, W. J., Harburg, E. and Kasl, S. V. (1969) Prologue - The intrafamilial transmission of rheumatoid arthritis: An unusual story. *J. Chron. Dis.* 22:193-194.
42. Cobb, S., Harburg, E., Tabor, J., Hunt, P., Kasl, S. V. and Schull, W.J. (1969) The intrafamilial transmission of rheumatoid arthritis. I. Design of the study. *J. Chron. Dis.* 22:195-202.
43. Schull, W. J. and Cobb, S. (1969) The intrafamilial transmission of rheumatoid arthritis. II. The lack of support for a genetic hypothesis. *J. Chron. Dis.* 22:217-222.
44. Cobb, S., Schull, W. J., Harburg, E. and Kasl, S. V. (1969) The intrafamilial transmission of rheumatoid arthritis. VIII. Summary of findings. *J. Chron. Dis.* 22:295-296.
45. Jackson, C. E., Mann, J. D. and Schull, W. J. (1969) XgA blood group system and the sex ratio in man. *Nature* 222:445-446.
46. MacCluer, J. W. and Schull, W. J. (1970) Frequencies of consanguineous marriages and accumulation of inbreeding in an artificial population. *Am. J. Hum. Genet.* 22:160-175.
47. MacCluer, J. W. and Schull, W. J. (1970) Estimating the effective size of human populations. *Am. J. Hum. Genet.* 22:176-183.
48. Schull, W. J., Nagano, H., Yamamoto, M. and Komatsu, I. (1970) The effects of parental consanguinity and inbreeding in Hirado, Japan. I. Stillbirths and prereproductive mortality. *Am. J. Hum. Genet.* 22:239-262.
49. Neel, J. V., Schull, W. J., Yamamoto, M., Uchida, S., Yanase, T., and Fujiki, N. (1970) The effects of parental consanguinity and inbreeding in Hirado, Japan. II. Physical development, tapping rate, blood pressure, intelligence quotient, and school performance. *Am. J. Hum. Genet.* 22:263-286.
50. Neel, J. V., Schull, W. J., Kimura, T., Tanigawa, Y., Yamamoto, M. and Nakajima, A. (1970) The effects of parental consanguinity and inbreeding in Hirado, Japan. III. Vision and hearing. *Hum. Hered.* 20:129-155.
51. Schull, W. J., Furusho, T., Yamamoto, M., Nagano, H. and Komatsu, I. (1970) The effects

of parental consanguinity and inbreeding in Hirado, Japan. IV. Fertility and some reproductive compensation. *Humangenetik* 9:294-315.

52. Harburg, E., Schull, W. J., Erfurt, J. C., Schork, M. A., and Rice, R. (1970) A family set method for estimating heredity and stress. I. A pilot survey of blood pressure among Negroes in high and low stress areas, Detroit, 1966-67. *J. Chron. Dis.* 23:69-81.

53. Schull, W. J., Harburg, E., Erfurt, J. C., Schork, M. A., and Rice, R. (1970) A family set method for estimating heredity and stress. II. Preliminary results of the genetic methodology in a pilot survey of Negro blood pressure, Detroit, 1966-67. *J. Chron. Dis.* 23:83-92.

54. Juberg, J. C., Schull, W. J., Gershowitz, H. and Davis, L. M. (1971) Blood group gene frequencies in an Amish deme of northern Indiana: Comparison with other Amish demes. *Hum. Biol.* 43:477-485.

55. Schull, W. J. and Neel, J. V. (1972) The effects of parental consanguinity and inbreeding in Hirado, Japan. V. Summary. *Am. J. Hum. Genet.* 24:425-453.

56. Graham, J. B., Cohen, B. H. and Schull, W. J. (1972) Genetic effects of family planning. *Am. J. Hum. Genet.* 24:350-351.

57. Schull, W. J. (1973) Birth intervals, inbreeding and reproductive compensation. *Hum. Biol. in Oceania* 2:1-16.

58. Kondo, K., Kurland, L. T. and Schull, W. J. (1973) Parkinson's disease: Genetic analysis and evidence of a multifactorial etiology. *Mayo Clinic Proc.* 47:465-475.

59. Hook, E. B. and Schull, W. J. (1973) Why are females fitter? Evidence for a contribution of X-heterosis from sex ratio data in offspring of first cousin marriages. *Nature* 244:43-46.

60. Harburg, E., Erfurt, J. C., Hauenstein, L. S., Chape, C., Schull, W. J. and Schork, M. A. (1973) Socio-ecological stress, suppressed hostility, skin color, and Black-White male blood pressure: Detroit. *Psychosom. Med.* 35:276-296.

61. Schull, W. J. (1973) Mankind, past and future. *Bulletin of The University of Texas Institutions at Houston*, 3<sup>rd</sup> Quarter, pp. 20-26.

62. Harburg, E., Erfurt, J. C., Chape, C. M., Hauenstein, L. S., Schull, W. J. and Schork, M. A. (1973) Socio-ecological stress, smoking, skin color, and Black-White blood pressure: Detroit. *J. Chron. Dis.* 26:595-611.

63. Neel, J. V., Kato, H., and Schull, W. J. (1974) Mortality in the children of atomic bomb survivors and controls. *Genetics* 76:311-326.

64. Chakraborty, R., Shaw, M. W. and Schull, W. J. (1974) Exclusion of paternity: The current state of the art. *Am. J. Hum. Genet.* 26:477-488.

65. Schull, W. J. (1974) Primitive populations - Some contributions to the understanding of human population genetics. *Proc. Fourth Int. Cong. Hum. Genetics, Paris*, pp. 112-123.

66. Freire-Maia, A., Freire-Maia, N. and Schull, W. J. (1975) Genetics of acheiropodia ("the handless and footless families of Brazil"). IX. Genetic counseling. *Hum. Hered.* 25:329-336.
67. Barton, S. A., Lenart, V., Palomino, H., Murillo, F., Weidman, W. and Schull, W. J. (1976) High altitude, indigenous origin and continuous cardiac monitoring. *Aviat. Space Environ. Med.* 47: 592-596.
68. Chakraborty, R. and Schull, W. J. (1976) A note on the distribution of the exclusions to be expected in paternity testing. *Am. J. Hum. Genet.* 28:615-618.
69. Harburg, E., Erfurt, J. C., Schull, W. J., Schork, M. A., and Coleman, R. (1977) Heredity, stress and blood pressure, a family set method. I. Study aims and sample flow. *J. Chron. Dis.* 30:625-648.
70. Harburg, E., Schork, M. A., Erfurt, J. C., Schull, W. J. and Chape, C. (1977) Heredity, stress and blood pressure, a family set method. II. Results of blood pressure measurement. *J. Chron. Dis.* 30:649-658.
71. Schull, W. J., Harburg, E., Schork, M. A., Weeners, J. and Chape, C. (1977) Heredity, stress and blood pressure, a family set method. III. Family aggregation of hypertension. *J. Chron. Dis.* 30:659-670.
72. Schork, M. A., Schull, W. J., Harburg, E., Roeper, P. and Chape, C. (1977) Heredity, stress and blood pressure, a family set method. IV. Blood pressure adjustment techniques. *J. Chron. Dis.* 30:671-682.
73. Chakraborty, R., Schull, W. J., Harburg, E., Schork, M. A. and Roeper, P. (1977) Heredity, stress and blood pressure, a family set method. V. Heritability estimates. *J. Chron. Dis.* 30:683-700.
74. Schull, W. J., Harburg, E., Schork, M. A. and Chakraborty, R. (1977) Heredity, stress and blood pressure, a family set method. Epilogue. *J. Chron. Dis.* 30:701-703.
75. Bertin, T., Harris, J. E., Ferrell, R. E. and Schull, W. J. (1977) The Nubians of Kom Ombo: Serum and red cell protein types. *Hum. Hered.* 28:66-71,
76. Goldsmith, R. I., Rothhammer, F. and Schull, W. J. (1977) Mydriasis and heredity. *Clin. Genet.* 12:128-133.
77. Weiss, K. M. and Schull, W. J. (1977) Demography and the measurement of Darwinian fitness. *Proc. IUSSP 1977 General Conference, Mexico* Vol 3. pp. 391-406.
78. Chakraborty, R. and Schull, W. J. (1978) Paternity exclusion in relatives. *Am. J. Hum. Genet.* 30:665-666.
79. Ferrell, R. E., Nunez, A., Bertin, T., Labarthe, D. R. and Schull, W. J. (1978) The Blacks of Panama: Their genetic diversity as assessed by 15 inherited biochemical systems. *Am. J. Phys. Anthropol.* 48:269-276.
80. Diaz, B., Gallegos, D., Murillo, F., Covarrubias, E., Covarrubias, T., Rona, R., Weidman, W., Rothhammer, F. and Schull, W. J. (1978) The Multinational Andean Genetic and Health Program:

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