Vita of Victor Klee

Personal:

Born in San Francisco, 1925

Education:

B.A. (with high honors), Pomona College, 1945 (majors in Mathematics and Chemistry)

Ph.D. (Mathematics), University of Virginia, 1949

Honorary Degrees:

D.Sc., Universität Trier, 1995

D.Sc., Université de Liège, 1984

D.Sc., Pomona College, 1965

Awards:

American Academy of Arts and Sciences

Fellow, 1997-

American Association for the Advancement of Science

Fellow, 1976-

Mathematical Association of America:

Annual Award for Distinguished Service to Mathematics, 1977

C.B. Allendoerfer Award, 1980, 1999

L.R. Ford Award, 1972

Max-Planck-Gesellschaft:

Max-Planck-Forschungspreis, 1992

Alexander von Humboldt Stiftung:

Preisträger, 1980-81

Pomona College:

David Prescott Barrows Award for Distinguished Achievement, 1988

Reed College:

Vollum Award for Distinguished Accomplishment in Science and Technology, 1982

University of Virginia:

President's and Visitor's Research Prize, 1952

Full-Time Employment:

University of Washington:

Professor of Mathematics, 1957-98, then Professor Emeritus;

Associate Professor, 1954-57;

Assistant Professor, 1953–54;

Adjunct Professor of Computer Science, 1974–present;

Professor or Adjunct Professor of Applied Mathematics, 1976–84;

University of Western Australia:

Visiting Professor, 1979.

University of Victoria:

Visiting Professor, 1975.

T.J. Watson Research Center, IBM:

Full-Time Consultant, 1972.

University of Colorado:

Visiting Professor, 1971.

University of California, Los Angeles:

Visiting Associate Professor, 1955–56.

University of Virginia:

Assistant Professor, 1949–53;

Instructor, 1947–48.

Fellowships:

Fulbright Research Scholar, University of Trier, 1992
Senior Fellow, Institute for Mathematics and its Applications, Minneapolis, 1987.

Mathematical Sciences Research Institute, Berkeley, 1985–86.

Guggenheim Fellow, University of Erlangen-Nürnberg, 1980–81.

Center for Advanced Study in the Behavioral Sciences, Stanford, 1975–76.

Sloan Foundation Fellow, University of Copenhagen, 1959–60.

National Science Foundation Senior Postdoctoral Fellow, University of Copenhagen, 1958–59.

Research Fellow of the Alfred P. Sloan Foundation, 1956–58.

National Research Council, Institute for Advanced Study, 1951–52.

A.E.C. Predoctoral, University of Virginia, 1948–49.

Du Pont Predoctoral, University of Virginia, 1945–47.

Part-Time Consultant:

W.H. Freeman and Co., 1976–1995

Holt, Rinehart and Winston, Inc., 1966–76.

E.I. du Pont de Nemours, Inc., 1968–72.

The RAND Corporation, 1966–70.

Boeing Scientific Research Laboratories, 1963–69.

Professional Societies (and offices):

Mathematical Association of America:

Board of Governors, 1967–78;

First Vice-President, 1968–70;

President, 1971–73.

American Mathematical Society:

Associate Secretary, 1955–58;

Symposium on Convexity, Chairman, Organizing Committee, 1961;

Council, 1964–66, 1969–71;

Executive Committee, 1969–70.

American Association for the Advancement of Science:

Chairman of Section A, 1975;

Fellow, 1976–present.

Sigma Xi:

National Lecturer, 1969.

Society for Industrial and Applied Mathematics:

Council, 1966–68.

Also member of Association for Computing Machinery, International Linear Algebra Society, Mathematical Programming Society, and Phi Beta Kappa.

Invited Lectures:

International Congress of Mathematicians, Vancouver, 1974.

Eighth International Symposium on Mathematical Programming, Stanford, 1973 (plenary speaker).

Invited lectures at various annual meetings of American Mathematical Society, Mathematical Association of America, Society for Industrial and Applied Mathematics, American Association for the Advancement of Science, Canadian Mathematical Congress, Deutsche Mathematiker Vereinigung, Deutsche Gesellshaft für Mathematik, Ökonomie und Operations Research.

Invited addresses at national or international conferences devoted to the following subjects:

Algorithmic and Applied Combinatorics (1986, 1983, 1971, 1969);

Applications of Combinatorics in the Biological and Social Sciences (1988);

Applied and Computational Convexity (1999, 1995, 1992, 1990, 1999);

Applied Linear Algebra (1988);

Calculus of Variations and Control Theory (1968);

Combinatorial and Graph-Theoretic Aspects of Matrix Theory (1991);

Combinatorial Mathematics (1990, 1978, 1969, 1969, 1968, 1968, 1963);

Combinatorics and Geometry (1989);

Computational Geometry (1999, 1992);

Computing in Algebra and Number Theory (1975);

Convexity (1994, 1980, 1975, 1965, 1961);

Convex Analysis (1999);

Counting Issues in Complexity Theory, Combinatorial Optimization, and Computational Convexity (1993);

Discrete Geometry (1981, 1966, 1962);

Discrete and Computational Geometry (1996);

Discrete Optimization (1981, 1980, 1977);

Functional Analysis (1992, 1964, 1960, 1960);

Graph Theory and its Applications (1983, 1972, 1969);

Information Linkage between Applied Mathematics and Industry (1978);

Linear Algebra (1994, 1993, 1992, 1988);
Mathematical Programming (1991, 1988, 1982, 1973, 1967);

Mathematical Methods of Economics (1972);

Mathematics of the Decision Sciences (1967);

Operations Research (1995, 1991, 1990, 1989, 1987, 1983, 1983, 1980);

Polytopes and Convex Sets (1990);

Polytopes: Convex, Abstract, and Computational (1993);
Scientific Computing (1964);

Set-Theoretic Topology (1973, 1961, 1955);

Teaching of Geometry (1990, 1988, 1969, 1967).

Current Editorships:

Discrete Mathematics

Discrete Applied Mathematics

Journal of Combinatorial Theory

Linear Algebra and Applications

Discrete and Computational Geometry

Senior-level courses taught in the past few years:

Discrete Optimization

Combinatorics

Mathematical Modeling

Graduate-level courses taught in the last few years:

Algorithmic Combinatorics

Combinatorial Optimization

Computational Complexity of Optimization Problems

Convex Polytopes

Computational Geometry

Unsolved Problems in Convex Geometry

Unsolved Problems in Graph Theory and Combinatorics

Ph.D. Students:

31 in Mathematics

3 more in Mathematics to finish in the year 2000

1 in Applied Mathematics

1 in Computer Science

Special Activities in 1998-2000

(April 2000) Series of three lectures at the Technion (Israel Institute of Technology) in Haifa

(April 2000) Honoree (and invited lecturer) at week-long "Klee-Grunbaum Festival of Convexity" at a conference center on the Sea of Galilee

(June 2000) Invited lecturer at International Conference on Global Optimization, on Greek island of SAMOS

Editor of volume of Discrete and Computational Mathematics in honor of the seventieth birthday of Branko Grünbaum

Committee of one to decide on awards of the Richard Rado Prize by the Deutsche Mathematiker Vereinigung (DMV)

Invited lecture at DMV-sponsored Symposium on Combinatorics in Berlin, and subsequent lecture at DMV-sponsored summer school for graduate students

Member of organizing committee for Oberwolfach conference on Applied and Computational Convexity

Annual Leonardo da Vinci lecture at the University of Milan

Opening lecture at international symposium on Convex Analysis in Cortona, Italy

Invited hour lecture at Canadian Symposium on Computational Geometry

Annual Linear Algebra lecture at University of Wisconsin

Some other activities of the last fifteen years:

Institute for Mathematics and its Applications

Chairman of Organizing Committee for Year-Long Program in Applied Combinatorics

Coordinator, Program in Discrete and Computational Geometry

Advisory Committee, Program in Applied Linear Algebra

Board of Governors

Mathematical Sciences Research Institute

Board of Trustees

Invited member for program in Convexity and Functional Analysis

Invited member for program in Combinatorics

Centre de Recherche de Mathematiques Appliquées, Université de Montreal

Steering Committee

Mittag-Leffler Institute (Sweden)

Three months as invited participant in program in Combinatorics

Cornell University

Advisory Panel, Center for Research in Discrete Optimization

University of Florida

Scientific Board, Center for Optimization and Combinatorics

American Mathematical Society

Nominating Committee

Centennial Fellowship Committee

Organizing Committee, Summer workshop on mathematical developments related to linear programming

Invited speaker at special sessions on following topics: differential equations, functional analysis, convex sets, combinatorics, discrete geometry

Committee on Summer Research Workshops

Society for Industrial and Applied Mathematics

Chairman, Committee on Award of the Polya Prize

Mathematical Association of America

Committee on the Annual Award for Distinguished Service

Ad Hoc Committee on Awards

Mathematical Programming Society

International Advisory Committee
International Program Committee

Association for Computing Machinery

Program Committee for a symposium on computational geometry

Operations Research Society of America

Arranged special session of papers on mathematical aspects of linear programming

DIMACS (NSF Science and Technology Center in Discrete Mathematics and Theoretical Computer Science)

External Advisory Board