

WILLIAM C. SCHULZ

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(602) 523-6876 (office)
(602) 774-6781 (home)

EDUCATION

University of California, Berkeley: Ph.D., Mathematics, 1968.

Harvard University: B.A., Mathematics, 1962. EXPERIENCE

1968-Present. Northern Arizona University, Flagstaff, Arizona.
Professor (Since 1988)
Associate Professor of Mathematics (1979-1988).
Assistant Professor (1968-1979).

Teaching responsibilities include graduate courses in such areas as number theory, differential geometry, analysis, and applied mathematics.

Also teach calculus and upper division applied mathematics courses to mathematics, engineering, and science students.

Conduct research in number theory; vector and tensor analysis; Grassmann Algebra; and history of mathematics.

Active in translating mathematics texts and articles into English. Possess reading knowledge of German, Swedish, Danish, Italian, Greek, Latin, and (mathematics only) French, Russian, and Dutch.

Guide university library in developing its mathematics collection and, as member of University Library Committee, contribute to library policy.

Serve on graduate orals committees and act as adviser to undergraduate students.

Have assisted in developing Mathematics Department documents, such as the expectations statement.

Participate regularly in Mathematics Department seminar program.

Have served on Mathematics Department Hiring Committee; University Senate; Committee on Faculty Status; Admissions and Scholastic Regulations Committee; Departmental Computer Committee, College Curriculum Committee.

Calculus Coordinator 2008-2010

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EXPERIENCE (continued)

1963-1968. University of California, Berkeley.

1965-1968. Research Assistant.

1965 (Summer). Director of NSF Mathematics Program for gifted high school students, under Prof. Frantisek Wolf.

1963-1965. Teaching Assistant. Responsibilities included first three semesters of calculus.

COLLATERAL ACTIVITIES

1984-1989. Referee, College Mathematics Journal.

1986-1989. Associate Editor, Mathematics Magazine.

PUBLICATIONS

Translation, with additional problems and annotated bibliography, of Hurwitz, A., and Kritkos, N., Lectures on Number Theory (Springer Verlag, 1986).

Differential Geometric Treatment of the Upper Half Plane and Disk Models Of Lobachevski Geometry. Available at www.cens.nau.edu/~schulz

"Measures of the Niche Overlap," with C. N. Slobodchikoff, Ecology, 1980 (pp. 1051-1055).

"Vector Identities via Quaternions," Two Year College Mathematics Journal (1981).

Translation from Russian of Bruno, A.D., "On Periodic Flybys of the Moon," Celestial Mechanics, 24, 1981 (pp. 255-268).

"A Stability Measure for Ecological systems," with C. N. Slobodchikoff, Ecology, 1983 (pp. 606-607).

"An Elementary Proof of the Converse of the Poincare Lemma," Eleutheria, 1983.

"Reflection on the Ellipse," with C. Moore, Mathematics Magazine 60:3 1987 (p167)

"An Alternate Proof of the Vector Triple Product Formula," College Mathematics Journal. 17:1 (pp73-74)

"Cooperation, Aggression, and the Evaluation of Social Behavior" (with C. N. Slobodchikoff) in the Ecology of Social Behavior, edited by C. N. Slobodchikoff, New York, 1988.

"Cubics with a Rational root Mathematics Magazine (vol 64 June 91)

"An extension of the GCD Star of David Theorem) (with Calvin Long And Shiro Ando) Fibonacci Quarterly(vol 45, Aug 07).

OTHER DATA

Personal: Born 12/10/41;

Two children: Alexia E. Schulz (Ph. D. Harvard, Astrophysics)
Erika D. Schulz (Ph.D. student, Microbiology)

One Grandchild: John Holbrook Vance III born Aug 08.

REFERENCES

Available upon request.