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EDUCATION:

- A.B. 1967 Oberlin College, Oberlin, Ohio.
A.M. 1969 Harvard University, Cambridge, Massachusetts.
Ph.D. 1972 Harvard University, Cambridge, Massachusetts.

PROFESSIONAL EXPERIENCE:

- 1970-72 Sanger Research Fellow, Harvard University.
- 1973-75 Research Fellow at the Rijksuniversiteit, Leiden, the Netherlands -
Low temperature studies of molecular crystals using high-resolution, optical
spectroscopy and zero-field, optical-magnetic double resonance.
- 1975-76 Research Fellow in Chemistry, Wesleyan University, Middletown, Connecticut-
high-resolution optical spectroscopy of linear polyenes.
- 1976-82 Assistant Professor of Chemistry, Bowdoin College.
- 1980-82 Director, Bowdoin College Summer Course,
Fluorescence Spectroscopy: Techniques and Applications.
- 1982-83 Visiting Professor, Royal Institution of Great Britain, London -
Time-resolved fluorescence and fluorescence anisotropy of synthetic polymers
and biological membranes.
- 1982-88 Associate Professor of Chemistry, Bowdoin College.
- 1987-89 Chair, Department of Chemistry, Bowdoin College.
- 1988- Professor of Chemistry, Bowdoin College.
- 1989-90 Visiting Research Fellow in Department of Physical Chemistry, The University of
Melbourne, Australia. Visiting Professor, Institute for Molecular Science, Okazaki, Japan.
- 1993-95 Chair, Department of Chemistry, Bowdoin College.
- 1998 Visiting Professor, Department of Chemistry, Imperial College, London
- 1999-2013 James Stacy Coles Professor of Natural Sciences, Bowdoin College
- 2000-03 Associate Dean for Academic Affairs for the Sciences, Bowdoin College
- 2003 American Chemical Society Award for Research at an Undergraduate Institution
- 2003-04 Visiting Professor, Department of Chemistry, University of Connecticut

- 2005-07 Program Officer, Division of Chemistry, Directorate for Mathematical and Physical Sciences, the National Science Foundation
- 2007-08 Consultant, Division of Chemistry, Directorate for Mathematical and Physical Sciences, the National Science Foundation
- 2013- James Stacy Coles Professor of Natural Sciences Emeritus, Bowdoin College

PUBLICATIONS (undergraduate co-authors are indicated by *s)

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“Femtosecond Time-Resolved Absorption Spectroscopy of Astaxanthin in Solution and in α -Crustacyanin,” R.P. Ilagan, R.L. Christensen, T.W. Clapp*, G.N. Gibson, T. Pascher, T. Polivka, and H.A. Frank, *Journal of Physical Chemistry A* **109**, 3120-3127 (2005).

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