

Past President: Anne T. Sherren, Aurum Iodide

The Triennium 1981 to 1984



DR. DORIS WARREN
National President
1981-1984

National Council held no interim meetings during this triennium. Business was conducted by mail or by telephone. In an effort to strengthen chapter-national council interaction the president visited the following chapters during this triennium: Tellurium, Vanadium and Neptunium. A number of issues of the President's *Operation Guide to Chapter Officers* were published this triennium. Individual contacts were made at a number of national scientific meetings. The strong interesting issues of *The Iotan Newsletter* have been a strength of this triennium.

Membership chair, Lynda Ellis, set up a database of the membership. This database resulted in quick and accurate reporting of membership, generation of mailing labels for *The Iotan Newsletter*, and individual chapters for chapter mailings. The National Editor, Marge Cavanaugh, also used this database in the preparation of the triennial directory.

National Historian, Sister Mary Rose Stockton, was appointed as Supplies Coordinator in addition to serving as permanent Historian. This position streamlined its operation, particularly with respect to the initiation of new members. All initiation materials are obtained from one officer. The Handbook for Operation of Iota Sigma Pi was updated during this triennium by an Ad Hoc Committee headed by Immediate Past President Anne Sherren. This version was prepared by word processing and was ready for approval at the National Convention in June 1984.

During this triennium Iota Sigma Pi held several events in connection with American Chemical Society national meetings. Luncheon meetings were held in Kansas City in Spring, 1982, and in Washington, D. C. in Spring, 1983. A wine tasting event in Seattle was sponsored by Oxygen chapter and several other groups, and a tour of Anheuser-

Busch Brewery was co-sponsored by several ACS groups in Spring 1984 in St. Louis.

Membership in the Federation of Organizations for Professional Women was renewed for the years of this triennium.

New editions of the publication "*What Is Iota Sigma Pi*" and "*Awards of Iota Sigma Pi*" were prepared. With the increase in the Awards program, a new publication was prepared. A new publication, "*Constitution and Bylaws of Iota Sigma Pi*" was prepared. All of the Award Certificates were revised and supplies printed.

Considerable efforts were spent to try to reactivate certain chapters and to form others, but there were no new chapter installed or reactivated during this triennium. Molybdenum chapter was declared inactive during this period.

The 1982, 1983, and 1984 recipients of the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research were Diane E. Peebles of the University of Texas at Austin, Jane Young Lewis of the University of Cincinnati, and Veronica Blasquez of Purdue University. The 1982, 1983, and 1984 recipients of The National Undergraduate Award for Excellence in Chemistry were Cecilia A. Walsh of University of Notre Dame, Notre Dame, Indiana; Carol J. O'Rourke of Rice University, Houston, Texas; and Faith Louise Van Nice of the University of Oregon. Rosalind Franklin received the National Honorary Member Award for 1982 posthumously. Mary Lowe Good of Universal Oil Products received the National Honorary Member Award for 1983. Jean'ne M. Shreeve of University of Idaho received the National Honorary Member Award for 1984. The Agnes Fay Morgan Research Award was awarded to Marye Anne Fox of The University of Texas in Austin in 1984. Joan Lambros of Glidden Coatings and Resins, Division of SCM Corporation received The Award for Professional Excellence for 1984.

The Credential Registry Committee gathered dossiers of members of Iota Sigma Pi and nominated members for both Iota Sigma Pi and other awards.

The Members-at-Large continued to grow in strength, cohesion and activity under the direction of Perky Kilbourn. *The MAL Newsletter* has contributed much to this group.

National Council approved four schools not accredited by the American Chemical Society. They were Indiana University-Northwest, Gary, and Tri-state College, Angola, both in Indiana; Aquinas College in Grand Rapids, MI; and St. Benedict's College in St Joseph, Minnesota.

The following change was approved by National

Science is nothing but trained and organized common sense, differing from the latter only as a veteran may differ from a raw recruit: and its methods differ from those of common sense only as far as the guardsman's cut and thrust differ from the manner in which a savage wields his club.

T.H. Huxley 1825-1895

The Oxford Dictionary of Quotations, 3rd ed., Oxford University Press (1979)

Be confident and be visible.

Helen M. Free

National Honorary
Member 1978

Council: For the Agnes Fay Morgan Research Award, each active chapter shall be entitled to make one nomination, but individual member or groups of members or any department of chemistry may make independent nominations, if properly documented.

Twenty-first Triennial Convention

This convention was held June 29-July 2, 1984, at the Cosmopolitan Hotel in Portland, Oregon with Promethium the hostess chapter and President Doris Warren as chair. The host chapter had a theme of "Under the Iota Sigma Pi Umbrella." The Chapter Roll Call was

Chapter	Delegate
Argentum	Beth Ann Neff
Aurum	Marcia L. Aubin
Aurum Iodide	Priscilla L. Walling
	Marianna Jackson (alternate)
Chlorine	Linda Munchausen
Curium	Dorothy Wyatt
	Patricia McWilliams (alter nate)
Cobalt	Rebecca J. DeLa Rosa
Fluorine	Neva Cardon
Mercury	Marilyn McKay
Neptunium	Mamie Moy
	Mary Bean (alternate)
Niobium	Anna Marin
Oxygen	Lorna Goebel
Promethium	Karen D'Arcy
	Mary Ryan (alternate)
Radium	Joan Mikule
	Mary Holt (alternate)
Samarium	Rosanne M. Savol
Sulfur	Franci Bolen
	Bonnie Baldridge (alternate)
Tellurium	Janet Younathan
Vanadium	Jean St. Germain
Members-at- Large	Janice Barton
	Joan Landsberg
	Carol Mattes
	Helen Stewart
	Roberta Hollier (alternate)
	Melissa Strait (alternate)

Other registrants were Violet Diller, Radium; Joan Lambros, Fluorine; Gertrude Van Rhein, Sulfur; Marye Anne Fox, Tellurium; Jean'ne Shreeve, Member-at-Large; Maxine Johnson, guest; Carol Gatz, Bernice Gilmore, and Elaine Spencer, all of Promethium. The following Past National Presidents present were recognized: Violet Diller, Joan Lambros, and Anne Sherren.

Chapter Delegates, Members-at-Large, and National Council reports were given orally and also submitted in written form. A poster presentation of research in the Portland area and of many chapters' activities during the 1981-1984 triennium was held. A panel discussion on networking was moderated by Mary Ryan of Promethium Chapter with the following partici-

pants: JoAnn Canich (Pm graduate student), Margaret "Kit" Ellis (O coordinator of computer-based instruction), Joan "Perky" Kilbourn (Pm consultant and small business owner), Martha Thompson (Pm professor of dentistry), Jeannette Surawski (Pm medical student). This panel represented women from the academic (student and faculty), industry and small business sectors.

The key ideas presented were that networking is a real, necessary and integral part of professional and personal relationships in all areas. To be an effective networker one needs to know how to network.

The first presentation of the Award for Professional Excellence was made to Joan Lambros, Fluorine. Her address was entitled "Professionals, What Are They?" The National Honorary Member Jean'ne Shreeve received her award and presented her address entitled "Teflon, Toothpaste, Blood Substitutes — Better Living." The Agnes Fay Morgan Research Recipient Marye Anne Fox received her award and presented her address entitled "Organic Photoelectrochemistry."

Memorial Service: At the Memorial Service at 7:30 PM on July 1, 1984, Margaret "Kit" Ellis recognized the Iotans whose deaths had been reported during the 1981-1984 triennium. Special tributes were given to former National Presidents Evelyn Laing McBain (MAL) and Gladys Anderson Emerson (S) and former National Honorary Member Icie Macy Hoobler (MAL). Others remembered included: Rosalind Klaas (AuI), Evelyn Tilden (AuI), Renee Georgette Naves (Cm), Helen L. Gillum (H), Reba Peabody Edie (I), Karen D. Cross (MAL), and Deborah Plick (MAL). Neva Cardon (F) then remembered Dr. Frank Havorka, long time Faculty advisor at Case Western Reserve and Fluorine Chapter.

Meal times were enlivened with numerous door prizes. Free time activities were numerous and enjoyable.

The convention committee reports generated the following recommendations, all of which were passed.

Constitution and Bylaws: Revise the Constitution and Bylaws to conform to standard practices so that the documents stand alone without references to other documents. Prepare a manual for national and local officers and committees. This committee should start with the preliminary revision of the HANDBOOK presented to the pre-convention council meeting.

Awards Committee: All award information be updated to reflect the actions of this convention. No increases in stipends are recommended at this time.

Budget and Finance Committee: That the current dues structure remain the same. Chapters should only receive their chapter rebates after filing the financial reports with the National

Treasurer each year and the new chapter treasurer has been reported to National Council.

Financial Records Review Committee: The books are in order. An external audit should be made each triennium during the second year of the triennium. That restricted funds for awards be kept separate only for accounting purposes and that funds may be co-mingled for the maximum earnings.

Communications Committee: Recommendations for the Initiates Packet were made. This packet should include copies of recent issues of *The Iota Newsletter*, History, Directory, Constitution and Bylaws, Locations and types of chapters, Awards of Iota Sigma Pi. Encouraged the inclusion of social events at the National American Chemical Society Meetings, increased publicity on both the local and national level for Iota Sigma Pi.

Expansion, Extension, and Status of Chapters: Both National Council and local chapters should look for potential sites for future or reactivated chapters. National Council should provide reactivation or new chapter packets to assist in the formation and reactivation of chapters. Encourage more membership by National Council Action. Hoped for new chapters in up state New York and the Atlanta, GA areas.

Members-at-Large: Discussed materials for the upcoming issues of the *MAL Newsletter*.

Publications: Continue to use word processing in the production of *The Iota Newsletter*. Have a goal of each chapter sending in an article each triennium. Include articles on women chemist's history, women scientists in business, more member news and book reviews.

It was voted to send greetings to Dr. Nellie Naylor on her 100th birthday. Dr. Naylor was active with Aurum Chapter and with National Council.

At the end of the triennium there were over 200 Life Members and 1183 active members of Iota Sigma Pi.

Mercury Chapters extended an invitation for the 1987 convention.

Officers elected and/or installed for the 1984-1987 triennium were

President: Celia J. Menendez-Botet, Vanadium
Vice-President, Mamie Moy, Neptunium
Secretary: Franci Bolen, Sulfur
Treasurer: Sister Jean G. Jones, Cobalt
Editor: Margaret Cavanaugh, Samarium
Historian: Sister Mary Rose Stockton, Cobalt
Coordinator of Members-at-Large: Joan Kilbourn, Promethium
Membership Chairman: Priscillia Walling, Aurum Iodide
Director: Antoinette J. Hockman, Vanadium
Director: Linda Munchausen, Chlorine
Past President: Doris C. Warren, Neptunium



**Delegates to the Twenty-first Triennial Convention
Portland, Oregon, 1984**

The Triennium 1984 to 1987



**DR. CELIA J. MENENDEZ-
BOTET
National President
1984-1987**

The National President stressed that she wanted the entire triennium to have a theme of "*Lux et Forte*", Light and Strength. National Council held one interim meeting at Sloan-Kettering Cancer Center in New York City on April 12, 1986. In an effort to strengthen chapter-national council interaction, the president visited the following chapters during this triennium: Aurum Iodide, Curium and Vanadium. A number of issues of the President's *Operation Guide to Chapter Officers* were published this triennium. There were also individual contacts made at a number of national scientific meetings.

After 25 years of inactivity, Kalium Chapter was reactivated as a metropolitan chapter on May 12, 1985. National Historian, Sister Mary Rose Stockton, conducted the reactivation ceremonies.

Had I worked in the environment I thought I wanted to be in during my college years, I would have discovered much earlier that this was not the right place for me.

Juliya Livshits

Quality Management
Specialist
Hoffman- LaRoche

The fortieth Chapter of Iota Sigma Pi was established as a Metropolitan Chapter in Rochester, New York. National President Celia Mendez-Botet installed Technetium Chapter of Iota Sigma Pi on May 1, 1987.

During this triennium Iota Sigma Pi received a generous bequest from the estate of former National President Gladys Anderson Emerson. The Gladys Anderson Emerson Scholarships are funded by the income from these funds. The first scholarships of \$1000 each were awarded in 1987. In establishing these scholarships for Iota Sigma Pi, Dr. Emerson expressed her belief that women be full participants in scientific education.

The revised form of the Constitution and Bylaws of Iota Sigma Pi were prepared and approved by both National Council and the Membership during this triennium. The National Treasurer has now taken over the complete billing of dues to members.

Membership chair, Priscilla Walling, revised and expanded the membership data with a new computer. This database resulted in quick and accurate reporting of membership, generation of mailing labels for *The Iotan Newsletter*, and individual chapters for chapter mailings. Dues information is also recorded in this database. The database is also used in the preparation of the triennial directory.

National Historian, Sister Mary Rose Stockton, continues to serve as Supplies Coordinator in addition to serving as permanent Historian.

During this triennium Iota Sigma Pi held events in connection with National American Chemical Society and other professional meetings. Social hours were held by Curium Chapter for the Summer 1984 meeting of the American Association of Clinical Chemists; Chlorine Chapter for the Spring 1985 meeting of the Pittsburgh Conference; Vanadium Chapter for the Spring 1986 meeting of the American Chemical Society; and Sulfur Chapter for the Fall 1986 meeting of the American Chemical Society. Luncheon meetings were hosted by Neptunium Chapter for the Fall 1984 and Fall 1986 Southwest Regional American Chemical Society Meetings. Aurum Iodide hosted a social hour and dinner meeting for the Fall 1985 National meeting of the American Chemical Society.

Membership in the Federation of Organizations for Professional Women was discontinued because the FOPW goals are no longer pertinent to the goals of Iota Sigma Pi.

New editions of the publications "*What Is Iota Sigma Pi*" and "*Awards of Iota Sigma Pi*" were prepared. A new publication, "*Constitution and Bylaws of Iota Sigma Pi*" was prepared.

The 1985, 1986, and 1987 recipients of the Anna

Louise Hoffman Award for Outstanding Achievement in Graduate Research were Olivia Salinovich of Louisiana State University, Bridget A. McCourtney of Rice University, and Jo Ann Canich of Texas A&M University. The 1985, 1986 and 1987 recipients of The National Undergraduate Award for Excellence in Chemistry were Ingrid Fritsch of the University of Utah, Amy Jo Hoffman, Purdue University, and Andrea M. Delaat, University of Cincinnati. The 1987 Gladys Anderson Emerson Scholarship recipients were Jean C. Haung of Iowa State University and Prashanti Sarma of Houston Baptist University. Marjorie G. Horning of Baylor College of Medicine received the National Honorary Member Award for 1985. Edith M. Flanigen of Union Carbide received the National Honorary Member Award for 1986. Jeanette G. Grasselli of Standard Oil of Ohio received the National Honorary Member Award for 1984. The Agnes Fay Morgan Research Award was awarded to Marion Thurnhauer of Argonne National Laboratory in 1987. Miriam Reiner of Curium Chapter received The Award for Professional Excellence for 1987.

Twenty-second Triennial Convention

This convention was held June 19-22, 1987, at the Normandy Inn in Minneapolis, Minnesota with Mercury Chapter the hostess chapter and President Celia Menendez-Botet as chair. The host chapter had a theme of "Follow the Northern Lights" The Chapter Roll Call was

Chapter	Delegate
Argentum	Laura Kraus Nicole Schultz (alternate)
Aurum	Carol Simmons Linda Siemsen (alternate) Kathryn Thomasson (alternate)
Aurum Iodide	Lynne Preston Shannon Brown (alternate) Anne Sherren (alternate)
Chlorine	Joanne Wolcott
Cobalt	Sara Bell
Curium	Elizabeth Radoski
Fluorine	Neva Cardon
Kalium	Janice Barton Gunda Georg (alternate)
Mercury	Linda Crawford
Neptunium	Beverly Lee
Oxygen	Kathryn Dugan
Promethium	Martha Thompson
Radium	Mary Weisman
Samarium	Mary Lou Gantzer
Sulfur	Gertrude Van Rheim
Technetium	Laura Tubbs
Vanadium	Jean St. Germain
Members-at-Large	Jane Fraenkel-Conrat Bonnie Gordon Mary Helen Stewart

Other registrants were Joan Lambros, Fluorine;

Miriam Reiner, Curium; Jeanette G. Grasselli, Fluorine; Marion C. Thurnauer, Aurum Iodide; Sister Antonius Kennelly, Sister Marquita Bernard, Marie Berg, Lynda Ellis, Patricia Fish, Bonnie Baskin, Joan Mukherjee, Placida Venegas, and Chris Wilson, all from Mercury. The following Past National Presidents present were recognized: Jane Fraenkel-Conrat, Joan Lambros, Anne Sherren, and Doris Warren.

Chapter Delegates, Members-at-Large, and National Council reports were given orally and also submitted in written form. A poster presentation of research in the Minneapolis area and by Perky Kilbourne was held. A panel discussion on "Out of the Lab, and Into ..." was led by Patricia Fish, Professor of Chemistry. Other panel members included Bonnie Baskin, owner and director of a virology lab; Joan Mukherjee, director of graphics technologies research for 3M company; Placida Venegas, research biochemist at University of Minnesota and a current law student; Chris Wilson, Client Services Manager for Serco Laboratories. The advice is not to sell yourself short because you can't make the transition easily. The other transition is also difficult.

The presentation of the Award for Professional Excellence was made to Miriam Reiner, Curium Chapter. Her address was entitled "History of Clinical Chemistry." The National Honorary Member, Jeanette G. Grasselli, Fluorine Chapter, received her award and presented her address entitled "Must Women Try Harder?" The Agnes Fay Morgan Research Recipient Marion Thurnauer, Aurum Iodide Chapter, received her award and presented her address entitled "Primary Light Reactions of Photosynthesis." Also honored were Sister Antonius Kennelly of Mercury Chapter for her many years of devoted service to Iota Sigma Pi. She ended her speech with "Long Live Iota Sigma Pi!" Marie Berg of Mercury chapter was also honored by a group of Members-at-Large for her faithful service to that group and Iota Sigma Pi.

Memorial Service: At the Memorial Service at 7:30 PM on June 20, 1987, recognition was given to the Iotans whose deaths had been reported during the 1984-1987 triennium. Special tribute was given to former National President Hoylande D. Young-Failey, Aurum Iodide, by Past National President Jane Fraenkel-Conrat. Others remembered included Minerva Morse (AuI), Ruth Loughead (AuI), Doris E. Hadary (Cm), Rosemarie Bernfeld Ostwald (H), Eunice V. Flock (MAL), Emillie L. Stagemeyer (Ra), Amy LeVesconte (Te), Ivy M. Parker (Te), and Minna E. Jewel (S)

Free time activities were numerous and enjoyable.

The convention committee reports generated the following recommendations, all of which passed.



Chapter Delegates to Twenty-second Triennial Convention Minneapolis, Minnesota, 1987

Constitution and Bylaws: The National Council needs to refine the document "*Rules and Regulations for both National Council and Chapter Officers.*" No constitutional changes were recommended.

Awards Committee: National Council should investigate forming a new award this triennium.

Budget and Finance Committee: Recommended that the dues for Regular Members increase from \$20 to \$25 per year. That the student dues remain the same at \$11 per year and the \$10 initiation fee remain unchanged. Members were encouraged to send donations to the National Treasurer for both the Awards and Convention funds.

Audit Committee: Meet in a separate place after the books are closed for this convention. An external audit should be made. That the Budget and Finance committee be split, one for budgetary purposes and the other for financial planning.

Communications Committee: That money be available to pay help for the Membership Chair to enter data into the database. It was recommended that this might be a student if one was available.

Expansion, Extension, and Status of Chapters: Both National Council and local chapters should look for potential sites for future or reactivated chapters. National Council should provide reactivation or new chapter packets to assist in the formation and reactivation of chapters. Encourage more membership by National Council Action.

Members-at-Large: Discussed materials for the upcoming issues of *the MAL Newsletter*.

Publications: Continue the production of the high quality of *The Iotan Newsletter*.

Rituals and Initiation: Have several forms of the initiation possible, but make sure that the meaning of the organization is explained.

1990 Convention: Evaluation forms of this convention and recommendations for future conventions were sought.

Resolutions Committee: Extended the customary thanks to all who made this convention a success.

No chapter extended an invitation for the 1990 convention.

Officers elected and/or installed for the 1987-1990

• *Yes, it was very encouraging to learn of a Women's Honor Society in Chemistry ... the newsletters received through the years denoting women's successes in the field were very encouraging.*

• Hala Gobran Schepmann

• Iota Sigma Pi Student Award Winner
• Assistant Professor Bioorganic Chemistry
• Southern Oregon University

triennium were

President: Antoinette J. Hockman, Vanadium
Vice-President: Margaret Cavanaugh, Samarium
Secretary: Franci Bolen, Sulfur
Treasurer: Jean St. Germain, Vanadium
Editor: Beverly Lee, Neptunium
Historian: Sister Mary Rose Stockton, Cobalt
Coordinator of Members-at-Large: Janice Barton, Kalium
Membership Chairman: Shannon Brown, Aurum Iodide
Director: Linda Munchausen, Chlorine
Director: Martha Thompson, Promethium
Past President: Celia J. Menendez-Botet, Vanadium

The Triennium 1987 to 1990



DR. ANTOINETTE J. HOCKMAN
National President
1987-1990

The National President stressed that she wanted the entire triennium to have a theme of "Believe and Communicate". National Council held one interim meeting at the Holiday Inn in Elk Grove Village, Illinois from May 12-14, 1989. In an effort to strengthen chapter-national council interaction the president visited the following chapters during this triennium: Aurum Iodide and Vanadium. Several issues of the President's *Operation Guide to Chapter Officers* were published this triennium. There were also individual contacts made at a number of national scientific meetings. The strong interesting issues of *The Iotan* has continued to be a strength of this triennium.

The forty-first Chapter of Iota Sigma Pi was established as a Metropolitan Chapter in the Clemson/Greenville South Carolina Area. National Member-at-Large Coordinator Janice Barton installed Scandium Chapter of Iota Sigma Pi on May 31, 1989.

National Historian, Sister Mary Rose Stockton, moved to the Mother House of her order and relinquished her duties as National Historian and Supplies Coordinator. Anne Sherren was ap-

pointed to the office of National Historian and Supplies Coordinator. The supplies and archival materials were stored in a rented Public Storage Locker in Naperville, Illinois.

During this triennium Iota Sigma Pi sponsored many social events in connection with National American Chemical Society national meetings. The meetings were as follows: New Orleans (Fall 1987), Toronto (Spring 1988), Miami Beach (Fall 1988), Los Angeles (Fall 1988), Dallas (Spring 1989), Miami Beach (Fall 1989), and Boston (Spring 1990). Iota Sigma Pi co-sponsored the Women Chemist's Reception following the symposium entitled "Women in Chemistry—Past, Present, and Future" sponsored by the Women Chemists Committee. All events were well attended.

New editions of the publications "*What Is Iota Sigma Pi*" and "*Awards of Iota Sigma Pi*" were prepared.

The 1988, 1989, and 1990 recipients of the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research were Athanasia Makri of University of California, Berkeley, Beatriz G. Bravo of Texas A&M University, Carol Jean Mertz of Northern Illinois University. The 1988, 1989, and 1990 recipients of The National Undergraduate Awards for Excellence in Chemistry were Carmen Wheelock of the Louisiana State University, Vivian Wai-Fan Chan of the College of Wooster, and Kristi Ann Martin of Miami University. The 1988 Gladys Anderson Emerson Scholarship recipient was Christine Weise of University of Kansas, the 1989 recipients were Carol A. Mindock of St. Mary's College and Harolyn L. Hood of Rochester Institute of Technology, and the 1990 recipient was Heather A. Carlson of North Central College. Mildred Cohn of University of Pennsylvania College of Medicine received the National Honorary Member Award for 1988. Clara D. Craver, spectroscopist and private consultant, received the National Honorary Member Award for 1989. Janet Oesteryoung of SUNY-Buffalo received the National Honorary Member Award for 1990. The Agnes Fay Morgan Research Award was awarded to Victoria McGuffin of Michigan State University for 1990. Bethlehem K. Andrews of Chlorine Chapter received The Award for Professional Excellence for 1990.

The Members-at-Large continued to grow in strength, cohesion and activity under the direction of Janice Barton, succeeded by Bonnie Gordon. *The MAL Newsletter* has contributed much to this group. The MAL Scholarship Fund has increased to the point that this group is considering giving an award.

Life Members now total in excess of 210 members. The total active membership at the end of the triennium is about 1000 members.

Twenty-third Triennial Convention

This convention was held June 14-17, 1990, at the Chicago - O'Hare Airport Holiday Inn in Rosemont, Illinois with Aurum Iodide Chapter the hostess chapter and President Antoinette Hockman as chair. The Chapter Roll Call was

Chapter	Delegate
Argentum	Sally Harmon
Aurum	Katherine Thomasson
Aurum Iodide	Frances Crean Sandra Ihm
Chlorine	Virtle Jones Joanne Wolcott (alternate)
Cobalt	Sara Bell
Fluorine	Linda Glaeser Joan Lambros
Kalium	Joyce Barrett
Mercury	Patricia Fish Marie Berg (alternate)
Neptunium	Joyce Thompson Mamie Moy (alternate) Doris Warren (alternate)
Plutonium	Jean Huang
Promethium	Joan "Perky" Kilbourn
Radium	Jeanne Buccigross
Scandium	Laura Wright
Sulfur	Joyce Easton Teddy Edwards (alternate)
Technetium	Michelle Ellett
Uranium	Mary Teasdale
Vanadium	Felicidad Celucia
Members-at-Large	Bonnie Gordon Carol Mattes Barbara Sawrey Janet Younathan

Other registrants were: Bethlehem K. Andrews, Chlorine; Victoria McGuffin, Member-at-Large; Janet Oesteryoung, Member-at-Large; Gertrude Van Rheim, Sulfur; Harriett Bible, Lillian Churchill, Marianna Jackson, Ellen Janka, Marilyn Kouba, Lynne Preston, Pat Riley, Jody Roberts, Adelle Rosek, and Frances Seabright, all Aurum Iodide; Anne Oesteryoung, guest; William Sherren, guest. The following past National Presidents present were recognized: Celia Menendez-Botet, Joan Lambros, Anne Sherren, and Doris Warren.

Chapter Delegates, Members-at-Large, and National Council reports were given orally and also submitted in written form. Aurum Iodide was celebrating its 50th Anniversary as a chapter and awarded long time member Frances Seabright with a plaque. Ellen Janka, Laboratory Manager for CNA Insurance/CENCO, moderated a panel discussion on "Changing Roles of Women in the Workplace". Other panel members included Frances Seabright, retired chemist; Sandra Ihm, environmental engineer; Carol Merritello, patent lawyer; Cynthia Darling, industrial hygienist; Trish Lynch, venture capitalist; Jo Anne Barnes,

financial advisor, Lauren Fredrick, Management Consultant.

The presentation of the Award for Professional Excellence was made to Bethlehem Andrews, Chlorine Chapter. Her address was entitled "Crosslinked Cellulose and Durable Press Cotton". National Honorary Member, Janet Oesteryoung, Member-at-Large, received her award and presented her address entitled "Voltammetry — The Tool You Can Learn to Love." The Agnes Fay Morgan Research Recipient Victoria McGuffin, Member-at-Large, received her award and presented her address entitled "Application of Capillary Liquid Chromatography and Electrophoresis with Laser Fluorescence Detection."

Memorial Service: The Memorial Service at 7:30 PM on June 15, 1990, recognized the Iotans whose deaths had been reported during the 1987-1990 triennium. Special tribute was given to former National President Violet M. Diller, Radium, by past National President Anne Sherren. Others remembered included Annella W. Dexter (Np), Margaret L. Fincke (Nb), Dorothy Drake Hubbard (Co), Nora Larson (Hg), Marjorie Barr Moore (MAL), Margaret L. Ross (MAL), Ruth Carlton Scott (Nb), Hazel Robinson Stone (Pm), Maria Consolata Voss (Sm) and R. Virginia Winsor (MAL).

Free time activities were numerous and enjoyable. Three popular events were trips into Chicago for an evening cruise on Lake Michigan, dinner and an experimental comedy play at "Second City Play Theater," the play "Into the Woods," and an early morning trip to the Chicago Botanical Gardens.

The convention committee reports generated the following recommendations for National Council to consider.

Constitution and Bylaws: National Council needs to refine the document "*Rules and Regulations of Iota Sigma Pi*" and especially completing the sections dealing with both National Council and Chapter Officers. No constitutional changes were recommended.

Awards Committee: National Council should investigate the frequency of the awards for professional chemists and the stipends for all of the awards.

Budget and Finance Committee: Recommended that the dues and the initiation fee remain unchanged. Members were encouraged to send donations to the National Treasurer for both the Awards and Convention funds.

Audit Committee: An external audit should be made.

Communications Committee: More communication between National Council and the chapters is needed. All officers should consider increased communications. There should be three issues of *The Iotan* every year.

This year, I moved into a new position, one where I am once again on a steep technical learning curve.

But I have never left chemistry. Those molecules are everywhere, after all.

Michele Moisio Thomas

Technical Team Leader
ExxonMobil Upstream
Research Co.



**Delegates to the Twenty-third Triennial Convention
Rosemont, Illinois, 1990**

Expansion, Extension, and Status of Chapters:

All chapters are now Metropolitan Chapters.

Members-at-Large: Discussed materials for the upcoming issues of *the MAL Newsletter*.

Publications: Continue the production and the high quality of *The Iotan* with greater frequency!

Rituals and Initiation: Have several forms of the initiation possible, but make sure that the meaning of the organization is explained.

1993 Convention: Evaluations of this convention and recommendations for future conventions were sought.

Resolutions Committee: Extended the customary thanks to all who made this convention a success.

No Chapters extended an invitation for the 1993 convention.

Officers elected and/or installed for the 1990-1993 triennium were

President: Margaret Cavanaugh, Samarium
Vice-President: Linda Munchausen, Chlorine
Secretary: Patricia Fish, Mercury
Treasurer: Jean St. Germain, Vanadium
Editor: Linda Glaeser, Fluorine
Historian: Anne Sherren, Aurum Iodide
Coordinator of Members-at-Large: Janice Barton, Kalium
Membership Chairman: Shannon Brown, Aurum Iodide
Director: Martha Thompson, Promethium
Director: Barbara Sawrey, Member-at-Large
Past President: Antoinette J. Hockman, Vanadium

The Triennium 1990 to 1993



DR. MARGARET CAVANAUGH
National President
1990-1993

The National President stressed that she wanted to have the entire triennium focus on three areas: (1) chapter vitality; (2) awards at both the national and chapter levels to stimulate and recognize personal accomplishment in chemistry and allied fields; and (3) outreach to encourage the interest of women in chemistry and related fields. National Council held one interim meeting at Marine Towers, 12520 Edgewater Drive in Lakewood (Cleveland Area), Ohio July 28-29, 1991. Various members of National Council visited 13 chapters during this triennium. There were individual contacts made at a number of national scientific meetings. The strong, interesting issues of *The Iotan* were a strength of this triennium.

The honoraria for the National Awards were increased according to the recommendations of the 1990 National Convention, and Life Membership has been added for the winners of the Award for Professional Excellence and the Agnes Fay Morgan Research Award. The Agnes Fay Morgan Research Award has been changed to an annual award and National Honorary Membership to a triennial award. Distribution of award publicity has increased, and the result has been an increase in the number of nominations received.

A Task Force on Outreach was established and a column in *The Iotan* was established. A second taskforce on Chemistry Awareness was also formed and suggestions were made for chapters to become involved with the American Chemical Society's National Chemistry Week. A member survey was conducted to see how the member needs could best be met. An outstanding chapter award was created to be presented for the first time at the 1993 Convention.

Plutonium Chapter of Iota Sigma Pi was reactivated as a Metropolitan Chapter at Purdue University December 1, 1990, with National Historian Anne Sherren and National Membership

Chair Shannon Brown present. This chapter took up the National President's challenge of outreach as one of its goals.

During this triennium Iota Sigma Pi social events continued to take place in connection with American Chemical Society and other national meetings. These events were in connection with the following meetings: ACS: Washington, DC (Fall 1990), Atlanta, GA (Spring 1991), New York City (Fall 1991), San Francisco, CA (Spring 1992), Washington, DC (Fall 1992), Denver, CO (Spring 1993). Curium Chapter hosted a luncheon for American Association of Clinical Chemists in July 1991. Aurum Iodide hosted a pizza dinner for the 1991 Pittsburgh Conference in Chicago. Chlorine Chapter hosted dinner for the 1992 Pittsburgh Conference in New Orleans. All events were well attended.

The 1991, 1992, and 1993 recipients of the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research were Kathleen Irene Schaffers of Oregon State University, Laura L. McConnell of the University of South Carolina, and Kathleen Ann Cox of Purdue University. The 1991, 1992, and 1993 recipients of The National Undergraduate Award for Excellence in Chemistry were Catherine L. Perry of Oberlin College, Susan Conyers of the Virginia Polytechnic Institute, and Hala Rafik Gobran of the University of Texas. The 1991, 1992 and 1993 Gladys Anderson Emerson Scholarship recipients were Bridget Debora Branden of Trinity University, Gidget K. Cantrel of Cleveland State University, and Elizabeth M. Currin of North Carolina State University. Darleane C. Hoffman, University of California at Berkeley received the National Honorary Member Award for 1993. The 1991, 1992, and 1993 The Agnes Fay Morgan Research Award recipients were Cynthia M. Friend of Harvard University, Jacqueline K. Barton of California Institute of Technology, and Geraldine Richmond of the University of Oregon. Edith M. Flanigen of Universal Oil Products received the Award for Professional Excellence for 1993.

The Members-at-Large continued to grow in strength, cohesion and activity under the direction of Janice Barton. *The MAL Newsletter* has contributed much to this group. The MAL Scholarship Fund has increased to the point that the reentry scholarship awards were given. The 1991, 1992, and 1993 recipients of this scholarship were Sabine Maas of Boone, NC., Kalyani Banerjee of Evanston, IL, and Kristin McLain of Covington, VA.

Life Members now exceed 220. The total number of active members at the end of the triennium was about 1000.

New editions of the publications "*What Is Iota Sigma Pi*" and "*Awards of Iota Sigma Pi*" were prepared. The Rules and Regulations for National

Council and Chapter Officers were revised and distributed to the chapters. The National Editor distributed a new publication — a "Rituals Handbook" for chapter use in initiations, installations, and reactivations.

Twenty-fourth Triennial Convention

This convention was held June 24-27, 1993 at the Holiday Inn Beachwood in Cleveland, Ohio, with Fluorine Chapter the hostess chapter and President Margaret A. Cavanaugh in the chair. The hostess chapter chose the theme "Reaching Out". The Chapter Roll Call was

Chapter	Delegate
Argentum	M. Gwen Sibert
Aurum	Cynthia Kelcher
Aurum Iodide	Frances Crean Barbara W. Bakel
Chlorine	Archie Moore
Cobalt	Sara Bell
Curium	Francine Plant
Fluorine	Maria T. Andras Cheryl Soltis-Muth
Kalium	Binodth DeSilva
Mercury	Patricia Fish
Neptunium	Kathryn Louie
Plutonium	Marcy Hamby Towns Jill N. Granger (alternate) Anne M. Gull (alternate)
Promethium	Joan Perky Kilbourn
Radium	Jeanne Buccigross
Sulfur	Franci Bolen
Uranium	Mary Teasdale
Vanadium	Corine Judah
Members-at-Large	Bonnie Gordon Michelle Ellett Else Malecki Kathryn Thomasson Susan Marine (alternate)

Other registrants were Edith Flanigen, Vanadium; Darleane C. Hoffman, Member-at-Large; Geraldine Richmond, Member-at-Large; Lisa Alexander, Lisa Berzin, Patricia Blum, Neva Campbell Cardon, Gidget Cantrell, Tammy Chazinski, Sister Jeanmarie DeChant, Jane Djung, Sharon Esker, Jodi W. Grisso, Nancy Herzing, Theodora Hionidou, Sandra Jones, Lois Kuhns, Joan Lambros, Pamela Sue Lane, Jennifer Lewane, Agnes Linn, Marilyn D. Lucas, Jeanette Nappier, Lily M. Ng, Victoria Orgel, Beth Ann Pearson, Nancy Piltch, Jenny Shan, Bettie Sogor, Claire Tessier, Karen Weiland, Valerie Woodward, and Mary V. Zeller, all Fluorine; David Andras, Nick Baumgartner, Phyllis Baumgartner, David Ewing, Barry Jacobson, Dan Ng, Yvonne Ng, Robert Towns, and Ken Weiland, all guests.

Joan Lambros paid tribute to the following members who had died during the triennium: Emily May Bixlby (MAL), Jane Wood Currie (Np), Edith Davis (Np), Sr. James Agnes Fogarty

*Count your blessings
every day.*

Helen M. Free

National President 1993
American Chemical
Society



**Delegates to the Twenty-fourth Triennial Convention
Cleveland, Ohio 1993**

(Hg), Dorothy Allen Griffith (S), Charissee Marie Jones (F), Jeannette Kerbaugh (AuI), Kathryn K. Krauel (O), Wilma H. Kupfer (F), Doris Clegg Muller (Cl), Nellie Naylor (MAL), Nellie Payne (AuI), Mary E. Purchase (MAL), Miriam Reiner (Cm), Madeline H. Scott (Tc), Florence Siebert (MAL), Laura Lee Whitney Weisbrodt Smith (MAL), Betsy Soukup (AuI), Nedra M. Utech (S), Faith Louise Van Nice (MAL), and Wilma Weidlein (MAL).

Members of the convention were enlightened by addresses by the following award recipients: Darleane C. Hoffman, University of California at Berkeley, the National Honorary Member Award; Geraldine Richmond of the University of Oregon, The Agnes Fay Morgan Research Award; Edith M. Flanigen of Universal Oil Products, The Award for Professional Excellence for 1993. Dr. Hoffman's address was entitled "The Properties of the Heaviest Metals."

The local chapter held an informative panel discussion entitled "Reaping What We Sow - Our Responsibility in Cultivating Future Scientists." The panel moderator was Valerie Woodward of *BF Goodrich*. Members included Linda C. Brazdil, *ExSciTe*; Jeanne M. Buccigross, *College of Mount St. Joseph*; Sharon Esker, *Copley-Fairlawn School District*; Pamela S. Lane *BF Goodrich*; Marcy Hamby Towns, *Purdue University*.

The following committee reports were presented and received by the National Convention:

Budget and Finance Committee: The Committee recommended that a committee be appointed to advise the Treasurer so that higher returns could be obtained from our reserve funds. Possible ways to reduce convention expenses were mentioned (less subsidy from National, corporate support, and decreases in convention expenses).

Audit Committee: A routine CPA audit by the firm Knapel and Weiss was currently in progress. Change the donation check-off list to include a check-off for the Centennial Fund and to delete the

check-off for the MAL Scholarship Fund and the Convention Fund. Initiation fees and forms should be sent to the National Treasurer and copies of the forms and checks should be sent to the Supplies Coordinator to facilitate initiation packet requests.

Communications and Internal Procedures

Committee: Fifty-year members should be given a certificate and letter from the National President. The National Historian should prepare the certificates and the Membership Chair should give the list of the 50-year members to the National President and National Historian and MAL Coordinator one year in advance to allow time for the preparation of the certificates and letters.

Presentations should be at professional meetings if possible. The frequency of *The Iotan* was discussed at length and it was decided that there should continue to be three issues of *The Iotan*, but that a one-page newsletter should be included with the dues notice. A return envelope should be included with the dues notice. Each chapter is requested to submit four reports annually: list of chapter officers, initiation report, annual report and treasurer's report. Not all chapters are submitting the requested reports. The suggestion was that the call for reports be sent to all chapter officers. If no report is forthcoming then the chapter officers involved should be contacted by mail and then by telephone. There have been cases where certain National officers have been slow in responding to requests. If this happens and a telephone call does not bring results, then a diplomatic letter should be sent to the officer and all of National Council should be copied. The idea that the MAL Coordinator be allowed to initiate members by National Council Action as well as the National Directors was presented. The committee moved and the Convention passed a motion requesting that National Council send a letter to the American Association of University Women supporting the educational efforts directed against gender bias in the classroom and other educational settings.

Chapter Programs and Outstanding Chapter

Award Committee: The criteria for the Outstanding Chapter were established. The Adopt-a-Chapter Program was proposed. The annual chapter report should be sent to both the National Vice President and to the Editor. A committee should be established for Iota Sigma Pi memorabilia—mugs, tote bags, tee shirts, decals, and sun blocks for visors. Proceeds from memorabilia should be placed in the Centennial Fund. The Convention approved a Mini-Grant Program for a maximum of \$250 per grant. These grants are limited to one grant per chapter per triennium.

Awards Committee: Several concerns were raised: The publicity for the awards needs to improve so that additional nominees will be obtained. The brochures need to be updated so that they look more professional. If possible all student awards should be increased to \$500 or more as soon as funds are available. A notice should be in the dues notice to explain how the awards fund is used and why the check-off is important. Stress the point

that the awards are essential to encourage young chemists. Investigate a new award for excellence in teaching. Distinguish between the National Honorary Member and the Professional Excellence Award. Recommended that an ad hoc committee be created for funding awards and new awards.

Editorial Advisory Committee: Include phone numbers, fax and e-mail addresses in the triennial directory. This additional information should be requested on both the initiation forms and the dues notices. Improve *The Iotan* with new columns featuring members, chapters, articles that would be helpful to students, and possibly a list for a speakers bureau.

Chemistry Awareness Committee: All members should write a letter to Mattel requesting a Barbie Chemistry Kit to represent women scientists. Appoint an ad hoc committee to script a video on women chemists and to have this video produced by an outside agency with outside funding. Iota Sigma Pi should organize a kit for those wishing to present one-day workshops for young women in chemistry or science to be available to chapters and Members-at-Large.

Outreach Committee: Many chapters are already involved in outreach activities. These activities are creative ways to make chemistry relevant in students', parents', and educators' eyes. The kits should include hands-on activities and target middle school students, ideas for parent/teacher/adult outreach, safety guidelines, sources for funding and in-kind donations, benefits of outreach and other pertinent items.

Membership Survey should be a catalyst for change. Twelve percent of the surveys were returned. Communications need to improve at all levels. Eighty-nine percent of the members responding read *The Iotan*. Seventy-six percent of the MAL responding were pleased with the MAL Newsletter.

Free time activities during the convention included a choice of trips to the Cleveland Museum of Art, Cleveland Metroparks' Amazon Rain Forest/Zoo, a cruise on the Goodtime III on Lake Erie/Cuyahoga River, and shopping trips to The Avenue at Tower City and Aurora Farms Factory Outlet. All participants reported having a good time. Chlorine and Plutonium Chapters extended tentative invitations for the 1996 convention.

New Iota Sigma Pi officers elected and/or installed for the 1993-1996 triennium were

President: Martha E. Thompson, Promethium
Vice-President: Maria T. Andras, Fluorine
Secretary: Michelle B. Ellett, Member-at-Large
Treasurer: Patricia A. Fish, Mercury
Editor: Linda C. (Glaeser) Brazdil, Fluorine
Historian: Anne T. Sherren, Aurum Iodide
Coordinator of Members-at-Large: Bonnie Gordon, Member-at-Large
Membership Chairman: Sister Frances Crean, Aurum Iodide
Director: Barbara Sawrey, Member-at-Large

Director: Jeanne Buccigross, Radium
Past President: Margaret Cavanaugh, Curium

The Triennium 1993 to 1996



DR. MARTHA THOMPSON National President 1993-1996

The National President stressed that she wanted to have the entire triennium to focus on four areas: (1) networking; (2) chemistry awareness; (3) communication and (4) outreach to encourage the interest of women in chemistry and related fields. National Council held one interim meeting at the Double Tree Inn in New Orleans on October 8 and 9, 1994. Various members of National Council visited 13 chapters during this triennium. There were individual contacts made at a number of national scientific meetings. The strong interesting issues of *The Iotan* were a strength of this triennium. During this triennium the recognition of 50-year members of Iota Sigma Pi was begun.

The Adopt-A-Chapter and Mini-Grant programs were established. Both programs have more possibilities as they mature. Communications have been a focus this triennium, but this is a constant problem. Niobium Chapter of Iota Sigma Pi was reactivated as a Metropolitan Chapter at Oregon State University on June 3, 1996. National President Martha Thompson and Past National President Clara Storvick were present.

The inactivity of Scandium and Technetium Chapters was noted.

The first two ACS Awards for Encouraging Women into Careers in the Chemical Sciences, sponsored by The Camille and Henry Dreyfus Foundation, Inc., were awarded to members of Iota Sigma Pi. In 1995 Margaret C. Cavanaugh received the award and in 1996 Nina M. Roscher received the award.

When working with the students in my lab, I let them know that creative thinking is important and that they should not be afraid to try something because it might not work-failure can teach us many things.

Allison Campbell

Associate Professor
Bioengineering Dept.
University of
Washington, Seattle

Chemical & Engineering
News
February 25, 2002, pg 31

... learned you've got to be out there interacting with lots of different partners in order to make the big leverages and hit the big home runs in science and technology development.... There are a lot more women in midlevel science management positions today, but still we have not taken the best advantage in the country of placing women in the top management positions. That is our challenge.

Lura J. Powell

Director Designate Dept. of Energy Facility
Richland Washington

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March 13, 2000, pg. 35

During this triennium Iota Sigma Pi social events continued to be held in connection with all National American Chemical Society and other National meetings. These events were in connection with the meetings as follows: Aurum Iodide Chapter hosted dinner meetings during the Fall 1993 and Fall 1995 National ACS meetings. At the other National ACS meetings Iota Sigma Pi hosted a table at the ACS Social Hour or had an informal gathering at the Women Chemists Luncheon. All events were well attended.

In the Fall of 1995 the National Historian, Anne Sherren, began the relationship with the Archives for Women in Science at the Iowa State University. Some items were donated on this visit and additional archival items will be donated and stored with these Archives.

New editions of the publications "*What Is Iota Sigma Pi*" and "*Awards of Iota Sigma Pi*" were prepared.

The 1994, 1995, and 1996 recipients of the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research were Sheryl Ann Tucker of North Texas State University, Shahrnaz Motakef of the University of Arizona, and Jaqueline L. Kiplinger of the University of Utah. The 1994, 1995 and 1996 recipients of The National Undergraduate Award for Excellence in Chemistry were Michelle T. Renda of Purdue University, Mary Ellen Biggin of Clarke College and Margaret Elizabeth Stroupe of Wake Forest University. The 1994, 1995 and 1996 recipients of the Gladys Anderson Emerson Scholarship recipients were Fei Liu of John Carroll University, Emily L. Reichert of University of Redlands, and Emily Elizabeth Ray of Oregon State University. Lidia Vallarino, Virginia Commonwealth University, received the National Honorary Member Award for 1996. The 1994, 1995 and 1996 Agnes Fay Morgan Research Award recipients were Jean Pemberton of University of Arizona, Jennifer Brodbelt of University of Texas, Austin, and Robin Garrell of the University of California, Los Angeles. Angelica Stacy of University of California, Berkeley received The Award for Professional Excellence for 1996.

The Members-at-Large continued to grow in strength, cohesion and activity under the direction of Bonnie Gordon. *The MAL Newsletter* has contributed much to this group. The 1994, 1995 and 1996 recipients of the MAL scholarship were Dalila Kovacs of East Lansing, MI, Janice Steckel of Morgantown, WV and Michelle Cottingham-Sellers of Versailles, IN. In addition a year's membership was granted to Catherine E. Peterson of LaGrande, OR. The MAL Scholarship Fund reached the self-sustaining level in 1995. The MAL have begun a "quilt project." All MAL quilters were encouraged to do a square.

Life Members now total in excess of 250 members. The total active membership at the end of the triennium was about 1000 members.

Twenty-fifth Triennial Convention

This convention was held June 24-27, 1996, at the Double Tree Inn in New Orleans, with Chlorine Chapter the hostess chapter and President Martha E. Thompson as chair. The hostess chapter chose the theme "Share the Vision". The Chapter Roll Call was

Chapter	Delegate
Argentum	Christine Hermann
Aurum	Sharon Ringrose
Aurum Iodide	Janet Ferroni
	Gretchen Shearer
Chlorine	Sharon Vercellotti
Fluorine	Michelle Boucher
	Lily Ng
Kalium	Rebecca Roesner
Neptunium	Kathryn Louie
Niobium	Ying Yang
Plutonium	Margaret Workman
	Janet Clark (alternate)
	Kim Schrum (alternate)
	Kristina McNett (alternate)
Promethium	Mary Ryan-Hotchkiss
Radium	Faye Robinson
Sulfur	Christine Davis
Uranium	Jinfeng Ni
Vanadium	Corine Judah
Members-at-Large	Faye Bradbury
	Susan Marine
	Brenda Sahli
	Mary Helen Stewart
	(alternate)

Other registrants were Robin Garrell, Member-at-Large; Angelica Stacey, Member-at-Large; Lidia M. Valarino, Member-at-Large; Bethlehem Andrews, Sarah Batiste, Mary Ann Brannan, Jean Huang, Archie Moore, Brenda Morrell, Nancy Morris, Linda Munchausen, Julie Peters, and Joanne Wolcott, all Chlorine Chapter; Kendall Houk, Dan Ng, and Celeste Ng, all guests.

Chlorine Chapter hosted the lovely opening reception. Chapter activities, historical pictures and professional posters were presented at the opening reception. Delegates, officers and guests enjoyed many of the activities and sites of New Orleans during free time.

Speakers for the banquet and meals were given by the following award recipients: The Agnes Fay Morgan Research Award - Robin Garrell spoke on "Liquid Solid Phase Interfaces and Adhesion and Absorbancies at These Interfaces and Surface Enhanced Raman Spectroscopy". The Award for Professional Excellence - Angelica Stacy spoke on "New Solid State Materials - Crystallization of Oxides and Super Conductors from Ionic Liquids".

National Honorary Member Award - Lidia Vallarino spoke on "Design and Synthesis Applications of Lanthanide Macrocyclic Complexes".

The Memorial Service was given by Linda Munchausen. Tribute was paid to the members who had died during this triennium and included: Sister Mary Rose Stockton, (Co), Helen M. Skowronska (F), Dorothy Crowfoot Hodgkin, (MAL), Mary H. Aldridge (Cm), Sister Antonius Kennelly (Hg) and Helen A. Ludeman (U).

The following committee reports were presented and received by the convention. Action items are noted.

Audit Committee: The committee commended the National Treasurer, Patricia Fish, on her performance this triennium. It was suggested that the treasurer list the individual balances for the Awards Fund, the Gladys Anderson Emerson Award Fund, and the Operating Fund in reports.

Awards Committee: It is recommended that all awards be made annual awards. It is recommended that the Awards Fund be increased so that all awards will be supported by the income from the Awards Fund.

Budget Committee: The following dues increases were passed by the convention. Regular members from \$25 to \$30 annually, student members: from \$11 to \$13 annually; initiation fee: from \$10 to \$12 per year. The number of delegates per chapter will be reviewed. All chapters get at least one voting delegate. A formula to determine the number of delegates for larger chapters and MAL, determined by the National President and National Treasurer, is determined before each convention. The amount of money available is taken into account. The number of MAL delegates is determined by the same formula used to determine the number of voting delegates per chapter.

Centennial Committee: A firm decision should be made soon for the location of the convention. Preference should be given to the Berkeley-San Francisco area. The keynote speaker should be a famous woman chemist. It was suggested that past awardees, life members and past National Presidents could speak about how Iota Sigma Pi has changed their lives. Events aimed at encouraging younger women to attend were to be encouraged. It was recommended that a committee be formed to prepare and sell Iota Sigma Pi memorabilia such as t-shirts, mugs and tote bags. The profits from these sales should go to support the Centennial Convention. We also will need outside sponsors.

Chapter Program Committee: Ideas to revitalize chapters were discussed. It was suggested that the Plutonium Chapter's *Chapter Revitalization Handbook* be revised and made available to all "at risk" or inactive chapters.

Long Range Planning Committee: The goals of Iota Sigma Pi are sound, but we need to look at how we do things in the modern world. Increase our use of e-mail, the web, networking and



**Delegates to the Twenty-fifth Triennial Convention
New Orleans, Louisiana, 1996**

personal support. Mentoring and a Speakers Bureau would be excellent additions to our activities. Partnering with other organizations is an efficient means of doing business.

MAL Committee: The MAL want adequate representation at conventions. Only the interest from their MAL Award Fund is to be used for their award for reentry students. Other funding for this award fund was discussed.

Outreach Awareness Committee: The age of the students to target with outreach activities was discussed. It was agreed that science interest must be gained early and continue to be nurtured. Teachers are a vital link in promoting interest in chemistry.

Publications Committee: The frequency and size of *The Iotan* is appropriate. Before the Centennial a revised History is needed.

Publicity Committee: Update brochures and increase interest in the organization by having increased attendance at conventions. Early publicity is important. In this publicity include interesting items about the convention city. Each chapter should try to increase local publicity in the local media.

The Iota Sigma Pi website debuted at convention. http://chem-faculty.ucsd.edu/sawrey/Iota_Sigma_Pi/

The outstanding chapter award was awarded to Plutonium Chapter. A certificate of commendation was given to Chlorine Chapter for their varied activities. Plutonium, Promethium and Radium Chapters expressed interest in hosting the 1999 convention.

Officers elected and/or installed for the 1996-1999 triennium were

President: Linda C. Brazdil, Fluorine
Vice-President: Susan S. Marine, Member-at-Large
Secretary: Michelle B. Ellett, Member-at-Large
Treasurer: Patricia A. Fish, Mercury

Science is a human activity, and it has always been so.Only in the past few years has science been seen as part of a country's economic activity.

Mary L. Good

Dean of the College of Information Science & Systems Engineering
University of Arkansas,
Little Rock
Chairman of Board
American Association for the Advancement of Science

Chemical & Engineering News

March 4, 2002, pg. 32

Editor: Donna Iannotti, Member-at-Large
Historian: Anne T. Sherren, Aurum Iodide
Coordinator of Members-at-Large: Bonnie Gordon, Member-at-Large
Membership Chairman: Sister Frances Crean, Aurum Iodide
Director: Jeanne Buccigross, Radium
Director: Lily Ng, Fluorine
Past President: Martha E. Thompson

The Triennium 1996 to 1999



DR. LINDA C. BRAZDIL
National President
1996-1999

President Linda C. Brazdil stressed that she wanted Iota Sigma Pi to build on the strong foundation of the past and to recognize the challenges of the future. She wants members to encourage women by being mentors and nominators for awards. All members must share the vision with younger women.

The following mission statement for Iota Sigma Pi in support of the objectives of the organization and to be used in conjunction with these objectives was adopted at the Post Convention National Council Meeting. **Mission Statement:** Iota Sigma Pi is a national honor society for women that promotes professional development and personal growth of women in chemistry and related fields through recognition, public outreach and the formation of supportive networks. **The objectives of the society** are (1) to promote interest in chemistry among women students; (2) to foster mutual advancement in academic business and social life; (3) to stimulate personal accomplishment in chemical fields.

One National Council interim council meeting was held at the Holiday Inn Beachwood in Cleveland, Ohio, on August 21-24, 1997. Contacts were made with many individual members at professional meetings, and various officers visited many of the chapters during the triennium.

The Constitution and Bylaws of Iota Sigma Pi were revised and approved by both National Council and the membership of Iota Sigma Pi. The major changes include placing a time limit on the office of National Historian (six year term), a name change from Membership Chair to Records Chair, the inclusion of Iota Sigma Pi in the center of the seal, recognition of the fact that Academic Chapters no longer exist, and changes in the titles for both Directors and the length of their terms (from six years to three years). Rules and Regulations were revised just prior to convention.

Hydrogen Chapter was reactivated on September 20, 1997. National Vice President, Susan Marine, and National Secretary, Michelle Ellett, were present for the reactivation. Tellurium Chapter was reactivated on November 21, 1998. National Vice President, Susan Marine, installed the new officers for this chapter. Susan Marine, National Vice-President, installed the forty-second chapter, Lanthanum Chapter, on May 9, 1998. Samarium Chapter was declared inactive on May 1, 1997 and Technetium and Scandium were declared inactive on May 1, 1998. The members of these chapters were changed to Members-at-Large.

A bequest of \$3000 from the estate of Zana Skidmore was added to the Iota Sigma Pi Awards Fund.

The position of Supplies Coordinator was separated from that of Historian to free the National Historian to work on the updating of the History. Shannon Brown of Aurum Iodide was appointed to this position. Graduation Braids displaying the Iota Sigma Pi colors (green, gold, and white) were ordered and made available to members at \$10 per set. A speakers bureau and mentoring program were launched. Brochures were prepared for each program listing persons willing to serve as speakers and mentors. *The Awards of Iota Sigma Pi* and *Iota Sigma Pi Membership Information* brochures were both redesigned.

Editor Donna Iannotti resigned as National Editor in the spring of 1997 and was replaced by Sharon Vercellotti of Chlorine Chapter.

Two mini-grants of \$250 each were granted in this triennium. Chlorine Chapter received one for their Science is Fun Saturday held March 1, 1997, at the Louisiana Children's Museum. Over 900 children participated in this event. Promethium Chapter requested funds to defray the cost of submitting a grant proposal to fund the printing of their new book *Making Success Your Reality: A How To Book*. This book, along with their previous book *Working Women: Is There Any Other Kind?* is used to fund their chapter scholarship.

The 1997, 1998 and 1999 recipients of the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research were Irina Massova of Wayne State University, Katherine Queeney of

Harvard University, and Joanne Marie Wittbrodt of Wayne State University. The 1997, 1998 and 1999 recipients of The National Undergraduate Award for Excellence in Chemistry were Tina Trnka of Columbia University, Rebecca Holmberg of University of Virginia, and Nicole Brinkman of College of Wooster. The 1997, 1998 and 1999 recipients of the Gladys Anderson Emerson Scholarship were Tashica Williams of Baylor University, Shanna Schmiesing of Baldwin Wallace College, and Jessica Chuang of Harvard University. Bridgette Barry, University of Minnesota, received the National Honorary Member Award for 1999. The 1997, 1998 and 1999 recipients of the Agnes Fay Morgan Research Award were Susan M. Lunte of University of Kansas, Anne B. Myers of University of Rochester, and Nancy Makri of University of Illinois. Sharon V. Vercellotti of V-LABS, INC., received the Award for Professional Excellence for 1999.

The Member-at-Large Reentry Award recipients for 1997, 1998 and 1999 were Martha Aguilar of Miami, Florida, Gabrielle Rum of El Paso, Texas, and Cynthia D. Homer of University Heights, Ohio.

During this triennium Iota Sigma Pi held several social events in connection with the American Chemical Society national meetings. These events were either a table at the Alumni Social Hour or an informal gathering in connection with the Women Chemists Luncheon. All events were well attended.

At the end of the triennium, there were over 270 Life Members and a little over 1000 active members of Iota Sigma Pi.

Twenty-sixth Triennial Convention

This convention was held June 24 - 27, 1999, at the Holiday Inn Portland, Oregon with Promethium Chapter the hostess chapter and President Linda Brazdil as chair. The hostess chapter chose the theme "Reach Out." The Chapter Roll Call was

Chapter	Delegate
Argentum	Christine Hermann
Aurum Iodide	Janet Ferroni
	Christine Renner
Chlorine	Janet Clark
Cobalt	Stacy O'Reilly
Fluorine	Michelle Boucher
	Catherine Miller
Hydrogen	Sara Paisner
Neptunium	Kathryn Louie
Niobium	Rebecca Hanson
Plutonium	Shelly Dormady
	Cathy Sioma
Promethium	Bernice Gilmore
Radium	Lisa Milstein
Tellurium	Julie Teetsov
Vanadium	Dawn Norman
Members-at-	

Large

Donna Nelson
Joyde Selco
Mary Helen Stewart
Kathryn Thomasson

Other registrants were Bridgette Barry, Mercury; Toni Hockman, Vanadium; Joan Lambros, Fluorine; Margaret Haak, Niobium; Christine Pastorek, Niobium; Teddy Edwards, Sulfur; Sue Eggling, Carole Gatz, Angela Hoffman, Joan Perky Kilbourn, Sue Kohlhepp, Linda Mantel, Mary Ryan-Hotchkiss, Patricia Stoddard, Janice Stuart, Ellen Wedum, Shanru Wang, and Mary Frances Zimmerman, all Promethium; Nettie Ramsay, Anne Wischmeier, all guests.

The following past National Presidents were recognized: Joan Lambros, Toni Hockman, Anne Sherren, and Martha Thompson. Joan Lambros and Anne Sherren were recognized as Presidential Advisors to President Linda Brazdil.

Toni Hockman recognized the following Iotans who had died during the past triennium: Dorothy E. Barker (Hg), Pauline G. Berg (MAL), Veronica C. Blasquez (Sm), Doris Doeden (Hg), Helen M. Dyer (Cm), Margaret A. Eaton (MAL), Frances L. Hyslop (MAL), Margaret A. Ohlson (O), Verna Conard Patterson (MAL), Gertrude Anne Van Rheim (S), Zana G. Skidmore (MAL), Elizabeth K. Smith (O), Elaine Spencer (Pm), Sandra Jean Springer (Ra), Emma D. Stecher (V), Elizabeth Yearick (MAL).

Speakers for the banquet and meals were the award recipients: Award for Professional Excellence - Sharon V. Vercellotti; and National Honorary Member Award - Bridgette A. Barry. Bridgette Barry's presentation was entitled "Biochemical and Spectroscopic Studies of Water Oxidase". Sharon Vercellotti's presentation was entitled "V-LABS, INC, An Overview."

The following committees met and presented reports that were accepted.

Awards Committee: To raise the stipend for all awards to \$500 as soon as economically feasible. Award all three Agnes Fay Research awards at the next triennial convention. It was suggested that the check and a certificate be presented in the year the award is received and that the plaque be presented at the convention. Also suggested was that the awardees take part in a panel discussion during the convention.

Budget, Finance and Audit: To commend the treasurer for a job well done. No dues increase was recommended.

Centennial Committee: This should be an exciting convention with more famous women present.

Members-at-Large: Established long term goals.

Publications, Communications and Website: Frustration was expressed that the web site needed to be easier to find and that it needed to be updated more frequently. Frequency and quality

I have been working on the topic of lifting the glass ceiling for my whole career. I focused for years on the idea that if the numbers of women would hit critical mass, the ceiling itself would rise.

Mildred S. Dresselhaus

Professor Massachusetts
Institute of Technology

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Delegates to the Twenty-sixth Triennial Convention Portland, Oregon, 1999

L to R, Back row, Julie Ann Teetsov, Stacy O'Reilly, Christine Rener, Kathryn Thomasson, Mary Stewart, Jodye Selco, Bernice Gilmore, Samantha Smith, Donna Nelson, Rebecca Hanson, Dawn Norman, Janet Ferroni, Michelle Boucher, Sara Paisner. L to R, Front row, Lisa Milstein, Kathryn Louie, Janet Clark, Christine Hermann, Catherine Miller.

of *The Iotan* were praised.

Chapter Program Development: No action items were presented.

Chapter Awareness and Outreach: Locations for new chapters should be investigated. Outreach activities of the chapters should be continued and encouraged.

Extension, Publicity and Speakers Bureau: The proposal for a Local Membership Affairs Coordinator was discussed. Voted that this office could be established if a chapter wished, but that this was a chapter by chapter decision.

Long Range Planning: More money is needed to endow our programs.

Resolutions: The appropriate persons were extended thanks for their part in the convention.

Fluorine and Hydrogen Chapters expressed interest in hosting the 2002 convention.

Officers elected and/or installed for the 1999-2002 triennium were

President: Susan S. Marine, Radium
Vice-President: Donna J. Nelson, Member-at-Large
Secretary: Janet R. Clark, Chlorine
Treasurer: Kathryn Louie, Neptunium
Editor: Sharon Vercellotti, Chlorine
Historian: Anne T. Sherren, Aurum Iodide
Coordinator of Members-at-Large: Kathryn Thomasson, Member-at-Large
Records Chairman: Patricia A. Fish, Mercury
Director: Lily Ng, Fluorine
Director: Christine K. Hermann, Argentum
Past President: Linda C. Brazdil, Aurum Iodide

The Triennium 1999 to 2002



DR. SUSAN S. MARINE National President 1999-2002

The President expressed her goals of fellowship and promoting women in chemistry and sciences closely related to chemistry in keeping with the "Reach Out" theme. Her goal is to encourage all women to be beacons to promote professional growth and achievement through recognition, public outreach, and encouragement to all. Those beacons of achievement shine because of the hard work and inspiration of those in the past and should encourage women today. All members should reflect the light of the achievements of others.

One Interim National Council Meeting was held July 21-22, 2002, in Berkeley, CA. National Council members met with members of Hydrogen Chapter as well as conducted important business.

The 2000, 2001 and 2002 recipients of the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research were Laura Kaufman of University of California-Berkeley; Ekaterina Pletneva of Iowa State University; and Vy Dong of California Institute of Technology. The 2000, 2001 and 2002 recipients of The National Undergraduate Award for Excellence in Chemistry were Angel Chan of Western Illinois University, Rebecca Samson of Boston University and Laura Weiland of Illinois Wesleyan University. The 2000, 2001 and 2002 recipients of the Gladys Anderson Emerson Scholarship were Veronika Gagovic of North Central College, Jovana Grbic of Northwestern University and Rebecca Sansom of Boston University. The 2000, 2001 and 2002 Agnes Fay Morgan Research Award recipients were Kim Baldrige of San Diego Superconductor

Center of the University of California at San Diego, Jean Chmielewski of Purdue University and Alanna Schepartz of Yale University. The 2002 National Honorary Member was Janet E. Del Bene of Youngstown State University and The University of Florida. The 2002 Award for Professional Excellence recipient was Kristin Bowman-James of the University of Kansas.

The recipients of the MAL Educational Re-entry Award were Ellen Lorange of University of North Dakota in 2000 and Heather Marxen of University of North Dakota in 2002.

The following members were recognized for achieving 50 years of membership in Iota Sigma Pi: Barbara M. Bohmfalk (Ag); Mary Jane Oestman and Marianna Jackson (AuI); Betty McLean Tubbs (Cm); Harriet Haynes Massey (Cl); Lois J. Durham (H); Grace Thompson Miller, June D. Boyette, Carol H. Collins, Alice D. A. Fay, Gertrude A. Lathrop, and Ruth L. Pike (MAL); and Carole R. Gatz (Pm).

Iota Sigma Pi announced that it would partner with CAWMSET (Commission on the Advancement of Women and Minorities in Science, Engineering and Technology Development). The goals of this organization are to increase the number of qualified American scientists and engineers to include more women.

In August, 2001, Editor Sharon Vercellotti, with the approval of the National Council, applied to the Special Grant Program in the Chemical Sciences for the publication and distribution of "The Centennial History of Iota Sigma Pi - Honor Society for Women in Chemistry, 1902-2002". The Camille and Henri Dreyfus Foundation funded this proposal for \$20,000 in April, 2002.

New to the line of Iota Sigma Pi items were note cards and donation cards in honor or in memory of individuals.

The Members-at-Large started a listserv for the group. This listserv has been used predominately for Iota Sigma Pi news and job announcements. The MAL quilt was finished and was auctioned at the Centennial Convention. This triennium the MAL's received three or four newsletters each year.

Iota Sigma Pi was represented at the initial meeting of the Intersociety Communications Network at the American Chemical Society Headquarters in Washington, DC.

During this triennium Iota Sigma Pi sponsored social events in connection with American Chemical Society and other national meetings. The events in connection with the meetings were as follows: ACS Meetings: New Orleans (Fall 1999), San Francisco (Spring 2000), Washington, DC (Fall 2000), San Diego (Spring 2001), Chicago

(Fall 2001), and Orlando (Spring 2002). Aurum Iodide hosted a dinner in Greek town for the Fall 2001 ACS Meeting. All events were well attended.

At the end of the triennium there were 1158 active members.

Twenty-seventh Triennial Convention

This convention was held June 12-16, 2002, at the University of California in Berkeley, California with Hydrogen Chapter (founding chapter) as the hostess chapter and President Susan Marine as chair. The theme for the convention was "Celebrating 100 Years of Excellence in Chemistry." All National Council was in attendance except Linda Brazdil, Immediate Past President. The Chapter Roll Call was

Chapter	Delegate
Argentum	Christine Hermann
Aurum	Jamie Rintelman
Aurum Iodide	Marianna Jackson
	Margaret Workman
Chlorine	Nancy Hopkins
Cobalt	Vicki Thompson
Fluorine	Reiko Simmons
	Karen Knaus
Hydrogen	Olayinka Oyeyemi
Kalium	Allyson Charbonnet
Lanthanum	Robin Davies
Neptunium	Treacy Woods
Oxygen	Margaret Pitts
Promethium	Carmen Peters
Radium	Rebecca Sides
Tellurium	Anne Gorden
Members-at-Large	Jill Scott
	Vicki Grassian
	Mary Helen Stewart
	Julie Teetsov

The following past National Presidents were in attendance: Marge Cavanaugh, Toni Hockman, Anne Sherren, Martha Thompson, and Doris Warren. Award Winners present were Janet Del Bene (National Honorary Member), Kristin Bowman-James (Professional Excellence Award Recipient), Kim Baldrige (Agnes Fay Morgan Award Recipient 2000), and Jean Chmielewski (Agnes Fay Morgan Recipient 2001). Alternate Delegates were Taiya Fabre (Np), Heather Marxen (MAL), Sara Paisner (MAL) and Lisa Volaric (MAL). Other registrants included Nicole Brinkmann (MAL), Frances Crean (AuI), Helen Free (MAL). The following members of Hydrogen chapter were also in attendance: Deanne Krenz, Mary Singleton, Darleane Hoffman, Annalise Van Wyngarden, Lianne Beltran, Louise Berben, Jennifer Keyani, Melissa Wheeler. Centennial Symposium Speakers not already mentioned included Dianna Long, University of Southern Maine and Debra Rolison, Naval Research Laboratory. Tanya Zanish-Belcher who is Archivist from the Iowa State University History of Women in Science Collection was also in attendance.

I expect the issue of the scientist's gender to fade gradually into oblivion. And my sincere gratitude goes out to all the women who have actively worked to eliminate such gender-related issues, as they have made the path I am traveling much smoother.

Zhenan Bao

Distinguished Member
of Technical Staff
Lucent Technologies
Bell Labs
Murray Hill, NJ

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**Delegates to the Twenty-seventh Triennial Convention
Berkeley, California, 2002**

L to R, Row 5: back, Vicki Grassian, Becky Sides, Allyson Charbonnet, Kim Schrum, Karen Knaus, Robin Davies, Chris Hermann, Row 4: Jamie Rintelman, Treacy Woods, Nancy Hopkins, Julie Teetsov, Helen Stewart, Row 3: Carmen Peters, Vicki Thompson, Row 2: Taiya Fabre, Annie Gorden, Marianna Jackson, Heather Marxen, Row 1: Margaret Pitts, Sara Paisner, Margaret Workman, Reiko Simmons, Jill Scott.

Patricia Fish recognized the following Iotans who had died during the past triennium: Roberta C. Hanley (AuI), Nina M. Roscher (Cm), Sara L. Bell (Co), Sr. Loretta Corbett (F), Joan Hemsing Tinoco (H), Betty Sullivan (Hg), Velta M. Goppers (Hg), Helene Van Dyk Fatt (MAL), Helen Klass Engdahl (MAL), Neva L. Karrick (O), Celia Maw Scott (O), Mary K. Simeon (O), Elma R. Crain (Pu), Else L. Schulze (Ra), Helen M. Keller (Ra), and Florence Langford (U).

The following awards were made at the Awards Banquet: National Honorary Member- Janet Del Bene; Professional Excellence Award – Kristin Bowman- James; Agnes Fay Morgan Award 2001 - Jean Chmielewski, Agnes Fay Morgan Award 2000 - Kim Baldridge, 2002 MAL Reentry Award – Heather Marxen and 50-year member certificate to Marianna Jackson of Aurum Iodide Chapter, who had been initiated into Iodine Chapter in 1952.

The following committees met and presented reports that were accepted.

Awards Committee To establish a new professional award entitled “Centennial Award for Excellence in Undergraduate Education.” The award would be given on an annual basis. The amount of the award is to be \$500. A committee will be formed to set up and establish the criteria for the award. Members should be encouraged to contribute money for this award. Change the wording of the Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research criteria to, “The research presented by the candidate must be original research that can be

described by one of the chemical divisions of the American Chemical Society (e.g. analytical, biological, environmental, geochemistry, inorganic, materials, nuclear, organic and physical).” That award recipients be encouraged to attend convention and present their work in the poster session. A link from the Iota Sigma Pi website should be made to the American Chemical Society Awards page so that members will be encouraged to nominate other Iota Sigma Pi members.

Budget, Finance and Audit: The national dues were raised from \$30 to \$35 for regular members and from \$13 to \$15 for student members and that the initiation fee for all new members should be raised from \$12 to \$15. The breakdown of the new dues is as follows: Regular member: \$11 to national, \$11 to chapter, \$13 to Convention fund; for student member: \$5 to national, \$5 to chapter and \$5 to convention fund. The formula for the Life Member Fee is now [$\$1567 - \$(24 \times \text{Age})$]. The minimum fee is \$60. It was strongly recommended that an external audit be done at the end of each triennium. The national treasurer should solicit funding for each convention and for the awards. We need a motto such as “Looking Forward to the Next 100 Years.”

Chapter Program Development: It was approved that the triennial award of \$250 to the outstanding chapter be continued. It was approved to continue the triennial chapter award entitled “Chapter Program Revitalization Award” or CPR for new and/or revitalized chapters. There will be both a certificate and a \$250 cash award. The continuation of the chapter “minigrant” program was approved for \$250 to a maximum of 10 chapters per triennium with only one award per chapter per triennium. The minigrant can be used to enhance the professional growth of the chapters and its members or to support specific projects, programs, or events of the chapter. National Council was instructed to define the responsibilities of the Chapter Membership Affairs Coordinator and to document said duties in the Rules and Regulations. National Council was also requested to distribute the updated section of the Rules and Regulations to the chapter officers. National Council was requested to establish recommended operating procedures for the chapter officers and distribute these, preferably electronically, to all chapter officers on a yearly basis.

Chapter Awareness and Outreach: Outreach activities of the chapters should be continued and encouraged. If possible, resources for outreach activities be made available to the chapters both in print and electronically. The Iota Sigma Pi mentoring program needs to be highly publicized and member participation encouraged. It was

approved that the President assign a committee to develop a plan for the creation of pamphlet(s) and electronic presentation(s) offering career advice and resources with emphasis on women's concerns. It was recommended that each issue of the Iotan feature a member of Iota Sigma Pi. The article should include biographical data as well as both professional and personal experiences. The members should be chosen randomly but also should be planned to show diversity in experiences.

Extension, Publicity and Speakers Bureau: It was approved that the national treasurer should include a space on the annual membership renewal form (dues notice) to solicit participation in the bureau. The group discussed membership recruitment and ways to publicize Iota Sigma Pi. Have either a committee or a person follow legislation related to females and minorities in science and communicate this to the membership.

Long Range Planning: Iota Sigma Pi should include archiving historical information on women in chemistry as a major activity of Iota Sigma Pi. Directed the president to assign committee(s) as needed, to investigate the possibility of establishing a data base that helps highlight and profile the accomplishments, expertise, and strengths of the members of Iota Sigma Pi. Recommend to National Council that the objectives of Iota Sigma Pi be changed to (1) promote interest in chemistry among women students (no change); (2) recognize achievements of women students in chemistry; (3) foster professional advancement and personal recognition of women in chemistry and related fields. Recommend that Iota Sigma Pi identify institutions (industries and academic departments) that have too few women in chemistry-related fields and offer to visit and consult to help change the environment of that institution.

Members-at-Large: The Outstanding Chapter award is based on the following items: highest number of activities; large number of initiates; active outreach program; significant member participation. The Outstanding chapter award was presented to Hydrogen Chapter. Chapters receiving Honorable Mention were Fluorine, Argentum, Chlorine and Aurum Iodide.

Publications, Communications and Website: Frequency and quality of *The Iotan* were praised. It was approved that Iota Sigma Pi obtain an easily identifiable website domain name. The Records Chair was asked to create and actively maintain an email distribution list from the Iota Sigma Pi database and that this be actively updated. The National Secretary was instructed to distribute the convention committee reports electronically to all convention delegates and all chapter officers by September 1 of convention years. Much discussion of items that were desired on the website was presented. The website should contain examples of interesting chapter activities, announcements, chapter officer duties, brochures and forms in a format to download, links to chapter websites, IOTAN in .pdf format, basic facts about Iota Sigma Pi and item to attach to

research poster presentations telling about Iota Sigma Pi.

Locations for new chapters should be investigated.

Resolutions: The appropriate persons were extended thanks for their part in the convention. Fluorine and Lanthanum Chapters expressed interest in hosting the 2005 convention.

Officers elected and/or installed for the 2002-2005 triennium were

President: Lily Ng, Fluorine

Vice-President: Julie Teetsov, Member-at-Large

Secretary: Janet R. Clark, Chlorine

Treasurer: Kathryn Louie, Neptunium

Editor: Marianna Jackson, Aurum Iodide

Historian: Anne T. Sherren, Aurum Iodide

Coordinator of Members-at-Large: Kathryn

Thomasson, Member-at-Large

Records Chair: Patricia A. Fish, Mercury

Director of Student Awards: Vicki Grassian,

Member-at-Large

Director of Professional Awards: Christine K.

Herman, Argentum

Past President: Susan S. Marine, Radium

Centennial Celebrations

Iota Sigma Pi Centennial Symposium University of California, Berkeley June 14-15, 2002

Following the Business meeting of the Twenty-seventh National Convention the following program was held for all delegates, officers and visitors. During the symposium about 75 persons attended the proceedings. National President Susan S. Marine presided. The program for the symposium follows.

Friday, June 14, 2002

Tours of Lawrence Livermore National Laboratory
Awards Banquet – Key Note Speech:

“Anharmonicities, Isotopes, and IR and NMR Properties of Hydrogen-Bonded Complexes” by Janet Del Bene, 2002 National Honorary Member
Saturday, June 15, 2002

Poster Session of both Research Posters and Historical Displays

Opening Ceremonies and presentation of a Centennial Plaque to the Department of Chemistry at the University of California Berkeley by Susan S. Marine

“History of Iota Sigma Pi” by Anne T. Sherren, National Historian and North Central College

“History of Hydrogen Chapter” by Mary Singleton, Lawrence Livermore National Laboratory

“Individuals and Community: Women Scientists in the Berkeley Lab of H. M. Evans 1915-1940” by Dianne Long of University of Southern Maine
Oral Research Papers by Agnes Fay Morgan Award recipients:

“Disrupting Protein-Protein Interactions: A Novel

All in all, it's a fabulous life for many different reasons. It's immensely satisfying, both intellectually and creatively. Plus, it offers a huge amount of personal and professional flexibility.

Alanna Schepartz

Chemistry Professor
Yale University

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Women earned 43% of bachelor's degrees in 1971. They claimed 50% for the first time in 1982. They had 57% in 2001 and according to the National Center for Education Statistics, they will earn 59% in 2112.

Michael Heylin

Government & Policy -
Hindsights

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Means of Inhibiting HIV Enzymes" Jean Chmielewski, 2001 recipient
"Electronic Structure Theory as an Aid to the Understanding of Dynamic Processes in Biological Systems" Kim Baldrige, 2000 recipient
Photography session and box lunches and posters on display.
"Exploration of Anion Coordination Chemistry" by Kristin Bowman-James, 2002 Professional Excellence Award recipient from the University of Kansas
Panel Discussion: "Overcoming Obstacles" with panelists Helen M. Free of Bayer Corporation; Margaret A. Cavanaugh of the National Science Foundation and Darleane C. Hoffman of Lawrence Berkeley Laboratory.
"Time to Thrive, Not Just Survive: Accumulating Advantage for Women in Chemistry" by Debra Rolison, Naval Research Lab
"Where Do We Go From Here?" Lily Ng, Cleveland State University and incoming National President of Iota Sigma Pi
Installation of 2002-2005 National Council
Closing Ceremony

**Iota Sigma Pi - Celebrating 100
Years of Excellence in Chemistry
224th National Meeting of the
American Chemical Society
Boston, MA
August 19, 2002**

The following symposium was held at the Boston National American Chemical Society Meeting. The symposium was in the History of Chemistry Division and was co-sponsored by Iota Sigma Pi and the Women Chemists Committee. Susan S. Marine (National President 1999-2002) was the organizer and the presiding officer. The symposium was well attended. The program for the symposium follows.

Introductory Remarks by Susan S. Marine
"Formation of the Chemistry Fiends at the University of California, Berkeley in 1902: the founding chapter of Iota Sigma Pi" by Michelle Ellett and Mary F. Singleton
"You've Come A Long Way, Baby, or 100 years of Iota Sigma Pi" by Anne T. Sherren (presenter) and Susan S. Marine
"Professional Awards of Iota Sigma Pi" by Jeanne M. Buccigross, Chris K. F. Hermann and Susan S. Marine
"Iota Sigma Pi student awardees: where are they now?" By Lily M. Ng, Anne T. Sherren, Barbara Sawrey, Patricia A. Fish and Kathryn Louie
"Neptunium - part of the whole" by Mamie W. Moy
"Evolution of needs and expectations of females and female chemists: the role of professional organizations" by Donna J. Nelson
"COACHing women into leadership roles" by Geraldine L. Richmond

"History of the Tellurium Chapter of Iota Sigma Pi at University of Texas at Austin" by Julie A. Teetsov, M. E. Howard, M. Satterfield, T. Miller
"Advantages of membership in Iota Sigma Pi" by Julie A. Teetsov, L. Cambell, M. Satterfield, K. Smith, C. Wells, A. Courtney
Discussion
Concluding Remarks.

The Triennium 2002 to 2005



**DR. LILY M. NG
National President
2002-2005**

The President expressed her goals: Continue to reach out. Continue to grow the society in size and prestige. Continue to seek out the ideas of the membership. Continue all the very great ideas made by the delegates at the 2002 National Convention.

Following the 2002 Convention the Criteria and Conditions for The Centennial Award for Excellence in Teaching were developed and approved by National Council. The first award was made in the Spring of 2003. The funding for this award was begun with a generous donation from Lily Ng. The Constitution was amended to include the Centennial Award for Excellence in Teaching.

Iota Sigma Pi now has a new website: www.iotasigmapi.info. The site coordinator is Jennifer Muzyka of Centre College in Danville, Kentucky.

One Interim National Council Meeting was held on July 18 and 19, 2003 in Lynchburg, Virginia. National Council members met with members of Lanthanum Chapter as well as conducted important business. National Council accepted the bid from Lanthanum Chapter to hold the 2005 in Lynchburg, VA.

During the Centennial Celebration a scrapbook from Agnes Fay Morgan was displayed showing an earlier version of the Greek for the name Iota

Sigma Pi and the motto. National Council consulted several Greek scholars and found that the meaning of the earlier Greek translation and the current one are approximately the same, and it was decided to retain the Greek as it is listed in our publications and to continue our motto of "Go Scientist Forward".

Following instructions from the 2002 Convention National Council examined the objectives for the organization and adopted the following objectives:

- To encourage and promote interest in chemistry among women students
- To facilitate networking to provide personal and professional support
- To foster professional advancement of women in chemistry and related fields
- To recognize outstanding accomplishments of women students and professionals in chemistry and related fields.

We can view the continuity of Iota Sigma Pi objectives by viewing those expressed by the Oxygen Chapter in 1911 under Chapter President Agnes FayMorgan.

1. To promote interest and enthusiasm among women students in chemistry.
2. To foster mutual advancement in academic, business and social life.
3. To stimulate personal accomplishments in chemical fields.
4. To be by our earnest endeavor, an example of practical efficiency among women workers.

In 2003 Jodye Selco was appointed Editor for the remainder of the Triennium.

In 2004 two new chapters were installed. On April 25, 2004, Einsteinium chapter was installed by Vice President Julie Teetsov in Tulsa, Oklahoma. On May 20, 2004 Cadmium Chapter was installed by Vice President Julie Teetsov and Immediate Past President Susan Marine at Union College in Schenectady, New York. Both new chapters are Metropolitan Chapters and will draw members from the surrounding areas.

The recipients of the Anna Louise Hoffman Award

for Outstanding Achievement in Graduate Research were Rachel Brewster (2003), Georgia Institute of Technology and Jennifer Heemstra (2004), University of Illinois at Urbana-Champaign. The recipients of The National Undergraduate Award for Excellence in Chemistry were Jelena Petrovic (2003) of Saint Francis University and Laura M. Wally (2004), Colorado State University. The recipients of the Gladys Anderson Emerson Scholarship were Mary Rozenman (2003) Columbia University and Lesley-Ann Giddings (2004), Smith College. The Agnes Fay Morgan Research Award recipients were Tamar Schlick (2003) of New York University and the Howard Hughes Medical Institute and Carolyn Bertozzi (2004) University of California Berkeley. The Centennial Award for Excellence in Teaching recipients were Ester Gibbs (2003) of Goucher College and Rose Ann Clark (2004) Saint Francis University.

The 2003 and 2004 MAL Education Reentry Award recipients were 2003 Corrine Kvamme of The University of North Dakota and 2004 Meredith Shetly of Missouri Southern State University.

The following members achieved the status of 50-year member and were given a certificate: Marjorie Newmark (K), and Alice Smith Ottoboni (MAL). The following members passed away Helen Klass Engdahl (MAL, 02), Barbara Wilson (AuI, 02), Sr. Helen Therese Nyberg (V, 03), and Dr. Lillian Questiaux (AuI, 03).

During this triennium Iota Sigma Pi sponsored social events in connection with American Chemical Society and other national meetings. The events in connection with the meetings were as follows: ACS Meetings: Boston (Fall 2002), New Orleans (Spring 2003), New York (Fall 2003), Anaheim (Spring 2004), Philadelphia (Fall 2004). Chlorine Chapter hosted a dinner in the French Quarter for the Spring 2003 ACS Meeting. Aurum Iodide hosted a luncheon at the 2003 Spring Regional ACS meeting in Chicago. All events were well attended.

Many excellent women scientists find it difficult to promote themselves and are, therefore, overlooked." From her grandfather, she explains, I learned to do my best and make no comparisons to what others were doing. He showed me that a person could be completely successful without ego or arrogance.

Allison Campbell

Associate Professor
Bioengineering
Department
University of
Washington, Seattle

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Nell Hollinger



Phyllis Watson



Bluebell Forker



Iota Sigma Pi members at work in their laboratories. Golden Jubilee photographs, 1952