

Take advantage of the opportunities that come your way. Don't plan so carefully. I find the most important events in your life are often the ones that you don't plan. Flexibility is a critical factor for all of us.

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Chemical & Engineering News

January 29, 2001, pg. 43

M. S. Kaliszewski (86-89), L. Glaeser (89-91), E. Dabrowski (91-92), L. Berzin (92-94), M. Andras (94-96), Lily Ng (96-97), J. Wolf (97-01). Vice-President: P. Zock (84-85), Sr. J. DeChant (85-86), Lisa Sekerak Berzin (86-87), P. Gallagher (87-89), H. McNair (89-90), M. Andras (91-93), J. Lewane (93-94), C. Soltis-Muth (94-95), J. Wolf (95-97), Fen Lewis (97-01). Secretary: L. Harris (84-85), P. Gawelek (85-86), C. Manning (86-88), J. Chiara (88-90), K. Juhasz (90-91), C. Soltis-Muth (91-94), N. Piltch (94-96), M. Boucher (96-00), P. Blum (01). Treasurer: L. Glaeser (84-85), R. Levine (85-86), P. Gawelek (86-87), Lisa Sekerak (87-92), K. Weiland (92-97), S. Singham (97-01). Faculty Liaison: C. Tessier (85-88), J. Jentoft (88-90), L. Ng (91-96), C. Miller (98-01).

Helium Eleventh Chapter 1920-1966



The first organization of women students in chemistry at the University of Oklahoma was called the Okemia Club, and was organized in 1920 through the efforts of Alma J. Neill, a charter member of Iodine. This group petitioned almost at once for a charter from Iota Sigma Pi. The installation of Helium chapter by Dr. Neill followed on November 5, 1921, with eight charter members. These were

Dorine Guthrie	Vera I. Moore
Therza Herrin	Dollie Radler
Cordelia Kent	Fay Shappard
Annazell Monroe	Evalyn Scott

For several years Helium issued an annual newsletter called Alpha Particles, to its active and alumnae members. In 1928 there were twelve active and fifty-two alumnae members of the chapter.

Margaret Rayburn represented the chapter at the third triennial convention in 1924, Thelma Rinberg (proxy) in 1930, and Billie Ruth Vanderwerth in 1948.

Helium remained active until 1934 when it became inactive for several years. In May 1942 it was reorganized through the efforts of the sponsor, Alma Neill. The new catalyst was Vivian Barr. From 1944 to 1946 the chapter was again inactive, but in January 1946 resumed activity with a tea for all girls interested in chemistry. The chapter had meetings during 1947 and 1948 and was represented at the 1948 convention by the catalyst Billie Ruth Vanderwerth. Helium was unusually active in 1948-1949. A great loss to the chapter was the death of Alma J. Neill, sponsor and founder, on April 10, 1948. The chapter became

inactive in 1952. In 1963, under the sponsorship of Blanche Sommers, the group was reactivated for a short period of time.

Hydrogen First Chapter 1902-2001



In the fall of 1900, women chemistry students at the University of California started an informal social organization which they called the "Chemistry Fiends." In 1902 a constitution was formally adopted and the first officers elected. Professor and Mrs. Booth of the chemistry department encouraged the organization to further social contacts of the women chemistry students with each other and with the chemistry faculty. Among the charter members of the group in 1902 were

Arch Fiend (President): Myra Wynn Jordan
Custodian (Treasurer): Lucille Hewitt
Scribe (Secretary): Rose Cavanaugh
Katherine M. Ross

By 1912 there were about 125 members when it was decided to reorganize as an honor society, to change the name of the organization to "Alchemia," and to expand to other Pacific Coast universities. A chapter was installed at Stanford University in 1913 and at the University of Southern California in 1914. During the next two years the question of a national organization of women chemists was discussed with the chapters of Iota Sigma Pi at the Universities of Washington and Nebraska. Finally, agreement was reached on details of the consolidation, and Hydrogen Chapter of Iota Sigma Pi, officially the mother chapter of the organization, was duly installed at a tea held at the home of Agnes Fay Morgan on April 22, 1916.

The total membership of Hydrogen in 1962 was over 650. The active membership during the period 1942-1962 varied from thirty to fifty per year. This large membership was drawn principally from the chemistry, biochemistry and nutrition departments of the Berkeley campus and more recently from various departments of the Davis and San Francisco campuses of the University of California. In addition, members were elected from Mills College and from Shell Development Company. The growth of the chapter was due in no small part to the strong support and interest of many faculty members and of many faculty wives interested in chemistry. The availability of many research and technical positions on the Berkeley campus and in government and industrial laboratories also made it

possible for many technically trained women to remain in this area.

Meetings were usually held once a month during the school year. By tradition the first meeting of the fall semester was held at the home of Agnes Fay Morgan, the faculty sponsor of the chapter from 1916 to 1955. Nell Hollinger, School of Public Health, was the faculty adviser from 1955 to 1961 and Marjorie M. Nelson, School of Medicine (San Francisco campus) was adviser until her untimely death late in 1962. Programs for the monthly meetings emphasized research reports, either by members or outside speakers. In addition, Hydrogen inaugurated in 1947 the annual custom of sponsoring a public research lecture by an outstanding chemist in the area. This was called the Iota Sigma Pi Lecture, and the first one was given by Andrew Benson on the use of radioactive isotopes in the study of chlorophyll activity. Succeeding lectures have been given by

Agnes Fay Morgan
H.A. Barker
Marjorie M. Nelson
E.E. Snell
Howard K. Schachman
O.L. Fisher
Heinz Fraenkel-Conrat
Paul L. Kirk
Evelyn L. McBain

For many years a scholarship award was given annually either to the sophomore woman chemistry major with the highest grade point average or to the senior chemistry major with the highest average. The money for this fund was raised from pie sales and donations. A fall tea for all women chemistry majors was also given for many years. Another traditional fall event was an open house for all alumnae and for visiting Stanford members before the Big Game with Stanford. In the spring Hydrogen and Carbon, in alternate years, hosted the annual Hydrocarbon Luncheon.

Additional chapter activities during the past years have included judging at science fairs, preparation of a booklet on career opportunities in chemistry and allied fields, and arranging of Iota Sigma Pi breakfasts at national meetings in San Francisco of the American Chemical Society and the Federation of American Societies for Experimental Biology. One successful project was the Summer Student Placement Program. Outstanding high school students, recommended by their teachers, were placed as laboratory assistants in various departments of the University of California during the summer. Funds for their salaries were solicited from the departments concerned and from industry. Twelve students were given this opportunity in 1957, fourteen in 1958, twenty-five in 1959 and fifty in 1960. The project grew so large that the university took it over.

Hydrogen alumnae have been very active in

assisting the chapter. The Hydrogen Alumnae group had a separate organization from 1938 to 1951. They sent two additional delegates to the National Convention in 1939, and assisted financially with the First Pacific Regional Convention in 1942, as well as with many chapter activities. An annual or semiannual newsletter has frequently been used to keep in touch with alumnae members, and notices of special events are sent to alumnae on a mailing list of approximately 150.

Three outstanding women chemists have been elected as honorary members of Hydrogen chapter, namely Ida Smedley McLean, an English chemist, in 1919; Hertha Spohner, a German physicist and chemist, in 1926; and Gerty T. Cori, an American biochemist, later elected a national honorary member, in 1934. Some of the honors for Hydrogen members are as follows: National Honorary Membership - Gerty T. Cori, Agnes Fay Morgan, Gladys A. Emerson, and Darleane Hoffman; Award for Professional Excellence - Angelica Stacy; Agnes Fay Morgan Research Award - Marjorie M. Nelson and Giovanna Ferroluzzi Ames; Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research - Ann E. Orel, Nancy J. Marki, and Laura Kaufman; Garvan Medal of the American Chemical Society - Agnes Fay Morgan, Gladys A. Emerson, Allene Jeanes, Arda Alden Green, and Darleane Hoffman; University of California medal for highest scholastic average in the graduating class - Jane Russell in 1932 and Marjorie Young in 1934. Darleane Hoffman has been given the National Medal of Science in 1997 and the Priestley Medal, the most distinguished award given by the ACS, in 2000. Prof. Julie Leary was awarded the Biemann Medal from the American Society for Mass Spectrometry in 2000.

Since 1918, the First National Convention, Hydrogen has been represented on National Council by the following members:

1918-1921 Miriam E. Simpson, Vice president
1921-1924 Esther H. Branch, Vice president
1924-1927 Esther H. Branch, editor
1927-1972 Agnes Fay Morgan, permanent historian
1951-1957 Gladys A. Emerson, president
1957-1962 Marjorie M. Nelson, treasurer
1960-1963 Jane Fraenkel-Conrat, Vice president
1963-1966 Jane Fraenkel-Conrat, president
1966-1969 Jane Fraenkel-Conrat, past-president
1969-1972 Jane Fraenkel-Conrat, president
1972-1975 Jane Fraenkel-Conrat, past-president
1993-1999 Michelle Ellett, secretary

Hydrogen was the hostess for the Second National Convention of 1921, co-hostess with Carbon for the Eleventh National Convention in 1954, and

*Have a positive attitude-
always!*

Helen M. Free

*Know your strengths
and use them.*

Carol Crosthwaite

hostess for the Thirteenth National Convention in 1960. In addition, Hydrogen was co-hostess with Carbon for the First and Second Pacific Regional Conventions in 1942 and 1952.

This chapter history was written by Marjorie M. Nelson, sponsor of Hydrogen, National Treasurer, 1957 Research Award winner and one of the outstanding honored members of Iota Sigma Pi. She was President-Elect of the International Teratological Society, Research Associate and Lecturer in the Department of Anatomy of the University of California School of Medicine. Her untimely death in November 1962 was a severe blow not only to Hydrogen Chapter but the the National Council. Florence McLelland, long time friend of Marjorie Nelson, took over the National Treasurer's duties on authorization of the National Council for the rest of the triennium.

Hydrogen has four to six meetings each year. The meeting time was changed from evening to noon to encourage greater attendance. In November, 1969, the chapter sponsored a one-day symposium on "Women in Science". The speakers at other meetings covered such relevant topics as: "Making Brains an Asset", "Water Problems and Priorities", "Population Control", "Biochemical Mechanisms of Drug Tolerance and Dependence", "Environmental Influences on the Development of the Brain", "Developing Criteria for Equal Opportunities for Women", "Life Style of Academic Women", "Alternative Careers for Women in Science", and "Iota Sigma Pi – Is it an Anachronism?"

Hydrogen Chapter awards two prizes for winners in Saint Mary's College Mathematics Contest and two scholarships for fifth to eighth grade girls attending summer classes at Lawrence Hall of Science.

Hydrogen Chapter of Iota Sigma Pi became inactive in the late 1970s.

Reactivation in 1997

Efforts to revive the chapter were initiated in 1997 at the urging of National Secretary Michelle B. Ellett. In order to reestablish the chapter, a core group of interested women graduate students from the UC Berkeley department of chemistry formed a Reactivation Committee, with Kate McElhone as chairwoman. This committee spent six months actively recruiting new members from among the graduate students, undergraduate students and faculty in the chemistry department. The committee held informational meetings, sponsored group outings to places and events of interest to chemists, made personal visits to women who expressed interest in the budding group, and dealt with all the necessary paperwork required for reestablishing an Iota Sigma Pi chapter.

On the evening of Friday, September 20, 1997,

approximately 40 initiates, members and guests gathered for the reactivation/initiation ceremony of Hydrogen Chapter. The ceremony was held at UC Berkeley and was conducted by National Vice-President Susan S. Marine and National Secretary Michelle B. Ellett. Four current Iota Sigma Pi members transferred their membership to Hydrogen chapter: Dr. Lois Durham, Michelle Ellett, and Dr. Angelica Stacy, formerly Members-at-Large, as well as Stephanie Stimson, formerly of Aurum chapter. New members included sixteen graduate students and one professor from the UC Berkeley department of chemistry: Maria Fardis, Julie Fields, Sara Gaucher, Melonie Hall, Lan Huang, Judy Kim, Prof. Julie Leary, Danika LeDuc, Alice Lee, Kate McElhone, Sara Paisner, Amy Prieto, Barbara Reisner, Sandra Rodriguez-Cruz, Jana L. Steiger, Hongming Wang, and Rebecca Zuckerman. Jane Scheiber and Sharron Pope from the Office of College Relations were inducted as honorary members in appreciation of their support and hard work in making the reactivation of Hydrogen chapter a reality. After presentation of the charter, the new chapter officers were installed. They were Kate McElhone, President; Julie Fields, Vice-President; Sara Paisner, Treasurer; Sara Gaucher, Secretary; and Rebecca Zuckerman, Historian. The ceremony was concluded with remarks from the presiding national officers and the chapter president.

Since the reactivation the chapter has been active in chapter activities, outreach programs, professional development of its members, and social events.

Chapter activities

The Hydrogen chapter meets once every month during the school year, alternating between daytime and evening meetings to allow both the student and professional members of the chapter to come at least some of the time. The agenda of most meetings includes reporting on past chapter events, planning future activities, and notifying members of happenings around the Bay Area that may be of interest to those in the chemical profession. In addition, chapter officers hold a meeting amongst themselves once or twice a semester, to plan activities. This chapter has its own web-site and has a very active e-mail list to keep the members informed of all chapter activities.

Initiation takes place at the end of each semester, usually in November and May, with officer installation included at the May ceremony. Nomination and voting for officers take place via email during the month of April. At the initiation ceremony the current officers present the history and purpose of Iota Sigma Pi. The new initiates sign the chapter record book when they receive their certificates and a token of membership, such as a flower tied with a ribbon of one of the Iota

Sigma Pi colors. The ceremony is followed by a catered meal sponsored by Hydrogen chapter with drinks and dessert provided by current members. Once or twice per semester the members of Hydrogen chapter gather to enjoy each other's company at social events. Activities have involved dinners, hikes, visits to local museums, and wine tasting.

Outreach

Hydrogen chapter takes part in outreach programs at least once per semester. These activities usually involve working with schoolchildren and their families at various events throughout the Bay Area.

Autumn outreach events are normally centered around National Chemistry Week in November. Members of Hydrogen chapter participate in Family Science Night at various middle schools throughout the Bay Area. Chapter members help kids with experiments that teach them about chemistry and the world in which they live. Past experiments include designing a watershed environment to explore Bay Area ecology, making silly putty, and learning about sodium polyacrylate, the super-absorbent polymer in diapers. In 1997 the Hydrogen chapter received a letter of commendation from the President of the Orinda Union School District Board. In 1999 members of the chapter also participated in a tribute to Glenn Seaborg during halftime at a UC Berkeley football game.

In the spring, Iota Sigma Pi members and other women from the UC Berkeley chemistry department participate in Expanding Your Horizons, a program dedicated to introducing middle school girls to careers that are not traditionally associated with women. The event, held at San Jose State University, consists of a series of one-hour workshops in which the girls participate. Hydrogen chapter members did some chemistry demonstrations, facilitated a discussion about what a chemist does, and led the girls in experiments such as making hot and cold packs, creating a non-Newtonian fluid with cornstarch and water, and making liquid nitrogen ice cream.

Also in the spring, Hydrogen chapter planned and hosted an event for students and teachers from the all-girls Holy Names High School in Oakland. The students were all college-bound 11th graders taking chemistry. They participated in laboratory tours, activities with chapter members, and a panel discussion with women chemists from both academia and industry. They then attended a Chem 1A lecture given by Prof. Angy Stacy, a Hydrogen chapter member.

Professional development

Professional development is an important part of the activities of Hydrogen chapter, and to that end

we have a variety of events. On approximately a monthly basis, the chapter has discussion groups where members will present their current research or a topic of interest to chemists or women in science. This is a particularly good chance for the second-year graduate student members to practice their required Graduate Research Seminar in front of a general audience before they present it to the department. In addition, some notable non-research discussions covered issues facing women in chemistry (facilitated by Sara Gaucher) and the role of women in the Manhattan project (presented by Mary Singleton).

Another approximately monthly activity is a brown bag lunch meeting with a notable chemist in the community, often but not always a professor at UC Berkeley. At these lunches the members discuss issues facing women in science, balancing family and career, issues facing graduate students, career opportunities for chemists, or whatever else is on the minds of the attendees. It is an informal opportunity for the graduate student members to interact with professors or professional members of the chapter. In addition, members often participate in programs and seminars dealing with professional development.

Social activities include participation in social events sponsored by other local organizations such as California section of ACS and AWIS. Presidents of Hydrogen Chapters since the 1997 reactivation include

Kate McElhone
Sara Paisner
Amy Prieto
Ryoko Kita
Christine Micheel
Annalise Van Wyngarden

Indium Eighteenth Chapter 1930-1951



In 1929 the first organization for women students in chemistry was formed at Indiana University. It petitioned at once for a charter from Iota Sigma Pi and this was granted in April 1930. The installation took place on April 19, 1930, in Bloomington under direction of Florence Catherwood of Iodine.

The charter members were

Lucile Beede	Margaret Steele
Grace Clendinning	Helen Vernon
Constance Earle	Esther Weber
Hallie Isabel Morgan	Jane Williams
Helen Newsom	Ruth Wimmer
Margaret Nice	

*I think I scared him away
because I get so excited
about my research. My
heart starts beating fast,
and I have a difficult
time containing my
enthusiasm.*

Heather C. Allen

2000 Assistant Professor
Environment Chemistry
Ohio State University,
Columbus

Chemical & Engineering
News
June 19, 2000, pg.47

Windows of opportunity opened, and I was ready to step through. What's really important to me... is the legacy of accomplishment I leave behind.

Shirley Ann Jackson

President

Rensselaer Polytechnic

Institute

Troy, NY

First black woman to

1. Lead any U.S. technological research university

2. Earn a doctorate from Massachusetts Institute of

Technology

3. One of the first two to receive a Ph.D. in physics in the U.S.

4. Appointed commissioner of the Nuclear Regulatory Commission (NRC), head the agency

The first honorary members were Dean Agnes E. Wells and Lila C. Curtis. The first officers were

President: Hallie Isabel Morgan

Vice-President: Ester Weber

Treasurer: Helen Newsom

Secretary: Helen Vernon

The sponsors were Dr. Robert E. Lyons, Mrs. Herman Briscoe, Martha Strong, Mrs. Ralph Cleland, Mrs. F. T. Gucker, Jr., and Una Robinson. Meetings were held once a month with occasional joint sessions with Alpha Chi Sigma or Phi Lambda Upsilon and social events for all women students in chemistry. Usually two open meetings were held each year. National officers Evelyn McBain, Grace Spencer, Icie Macy Hoobler and Virginia Bartow visited the chapter in 1940. The chapter was active throughout the war years but was largely inactive in 1944-45, was reorganized in 1946 and remained active in 1950. Indium was represented at the 1948 convention by Elma Lauterman but sent no delegate to the 1951 convention.

Some of the catalysts have been

Vilma Jane Borland

Virginia Curry

Martha Myers

Martha Mull

Charlotte Jones

Betty Harris

Betty Fraser

Elizabeth Buchanan

Mary K. Belch

Margaret Young

Rebecca Leash

Elbinger

Elma Lauterman

Marjorie Kartinos

Roberta Schilit

Iodine Eighth Chapter 1915-1987



Alpha Theta Chi, the first women's chemical society at the University of Illinois, was organized by five women members of the teaching staff of the Department of Chemistry. The idea was promoted by Dr. William Albert Noyes, who knew that the women would be of help at the time of the national meeting of the American Chemical Society in Urbana in 1916. On December 7, 1915, the organization became official when the constitution was approved by the University of Illinois Council. The purpose of Alpha Theta Chi, which was quite similar to Iota Sigma Pi, was "to advance the interests of chemistry, of women as chemists and promote acquaintance and cooperation among women workers in chemistry." Membership was honorary and dependent upon a superior academic record.

Invitations to assimilate with similar organizations came at once. During the year 1917-1918, after three societies had combined as Iota Sigma Pi, it

seemed probable that Alpha Theta Chi could work more effectively as a chapter of the national organization. A petition to join Iota Sigma Pi was accepted and on May 4, 1918, Ruth Merling of Oxygen chapter installed Alpha Theta Chi as the Iodine chapter. The charter members were

Rosslene Arnold	Minna Jewell
Zilpha Battey	M. Helen Keith
Doris Bockius	Rosalie Parr
Jessie Jacobs	Margaret Perry
Valda Smith	Miriam Null
Bertha Stein	Ruth Okey
Marian Swanberg	Lucile Wheeler
Helen Updegraff	Lillian Woerman
Alma J. Neill	Mildred G. Wright

On December 30, 1920, during the meetings of the American Association for the Advancement of Science in Chicago, Iodine called together a group of Iota Sigma Pi members for a luncheon and informal meeting at Field's Tea Room. There were twenty-two members present from eight out of ten chapters then affiliated. M. Helen Keith, national editor, presided and a number of topics of mutual interest were discussed.

Iodine has an honorable record in the extension of Iota Sigma Pi. Margaret Perry of this chapter helped install Aurum; Alma J. Neill was largely responsible for the organization of Helium; Elizabeth Hyde installed Radium; Lottie Munn assisted in the installation of Fluorine, and Iodine was sponsor for Uranium.

In 1927 the chapter established the Iota Sigma Pi prize of twenty dollars to be awarded yearly to the student eligible to membership, but not necessarily a member, who attained the highest general average in chemistry for seven semesters.

Since 1929, the chapter has brought to the campus at least one woman chemist a year as a speaker. Usually this is at the time of the spring initiation and maximum membership. It is very stimulating to both undergraduate and graduate members to hear firsthand from women who have successfully held responsible chemical positions. The following women have been presented as speakers: Margaret Perry of the Columbia Hospital, Milwaukee; Genevieve Stearns of the State University of Iowa, who has come twice; Emma P. Carr and Mary L. Sherrill of Mt. Holyoke College; Mildred Hicks Brunn of the Bureau of Standards; Helen Norris Moore of the University of Cincinnati; Kate Daum of the University of Iowa; Grace Spencer of Sears-Roebuck Laboratories; Evelyn McBain of Stanford University; Maude Slye of Chicago; Anne K. Hickson of Eli Lilly and Company; Prudence Van Arsdale of Universal Oil Products; May Whitsett Hopkins, formerly of Southern Methodist University; Dorothy Nightingale of the University of Missouri; Elizabeth Hunter of Commercial Solvents Corporation; Mary Louisa Willard of Pennsylvania State College; Esther Engle of the Commercial Solvents Corporation;

Chemical & Engineering
News

October 23, 2000, pg. 106

Madelyn Womack of the Bureau of Home Economics; Barbara Campbell of Notre Dame; Elizabeth Pederson of the University of Oslo; Mildred Rebstock of Parke Davis and Company who has come twice; Marjorie Moore of Abbott Laboratories; Ruth Okey of University of California; Hoylande Young of the Argonne National Laboratories; Gunhild Aulin-Erdtman of Stockholm; Elizabeth Osman formerly of Argo Starch Company and now at Illinois; Doctor Margot Becke-Goehring of Heidelberg; Elenora Gyerfas of the University of Sydney; Janet Vernon of Minnesota Mining and Manufacturing Company; Gladys Swope of Argonne National Laboratory and Thelma Hoffman of Shell Oil Development. Dr. Rebstock is an Illinois Ph.D. who was elected the Science Woman of the Year by the American Press Women's Association in 1950 and the Detroit Woman of the Year in 1951.

In 1933 Iodine was hostess to the sixth convention of Iota Sigma Pi held at Douglas, Michigan at the summer home of the national president, Virginia Hartow.

Because the University of Illinois offers more seminars, lectures and other means of presenting scientific information, the Iodine chapter no longer plans technical programs. Only the advanced graduate students continue to report the progress of their research. The majority of the meetings are teas, parties or picnics to promote friendship and informal contacts among women interested in chemistry on the campus and in the community. For several years a special fall tea has been held for all members of the chemistry faculty and women in the chemistry curriculum. Iodine has been represented at many triennial conventions. On May 2-3, 1952, Iodine joined with four chapters in a celebration of the 50th anniversary of the founding of Iota Sigma Pi. This was held at Ames, Iowa with Aurum as hostess and Nellie Naylor, the regional director, as presiding officer. National officers initiated by Iodine are M. Helen Keith the first editor 1918-1924; Virginia Bartow, president 1930-1933; Genevieve Stearns, president 1933-1939; Grace Spencer, treasurer 1939-1942, Gladys Quinty Dawson, treasurer 1954-1957; Elizabeth Osman, secretary 1957-1960; Gladys Eckfeldt, membership chairman 1972-1975.

In the fall of 1980 a number of Members-at-Large in the Champaign-Urbana Illinois area got together and decided to reactivate Iodine Chapter. National Council approved the petition of this group to reactivate and to change the Chapter Status To Metropolitan on February 21, 1981. Iodine Chapter was formerly reactivated. Those National Officers attending included: Dr. Anne T. Sherren, National President, Ms. Frances Seabright, National Secretary, and Dr. Susan Kelley, Coordinator of Members-at-Large. There were six former members and six new members who petitioned the chapter. In addition to the reactiva-

tion on February 21 the chapter held an installation of officers and initiation of new members.

Iridium Seventeenth Chapter 1926-1980



The Women's Chemical Society, composed of women at the State University of Iowa, Iowa City, Iowa, interested in chemistry, petitioned in 1925 for a charter of Iota Sigma Pi. This was granted on November 21, 1926. Iridium chapter was installed at Iowa City by P. Mabel Nelson of Aurum, assisted by several other members of Aurum. The charter members were

Adelaide Barer	Jean Morrow
Lillian Grier	Marguerite Jones
Martha Nelson	Stella Paisley
Anna Keltch	Nelda Ross
Sylvia Goergen	Elizabeth Whitaker

The first officers were

President: Anna Keltch
Vice-President: Lillian Grier
Secretary: Nelda Ross
Treasurer: Sylvia Goergen

The majority of the members were research workers, faculty members, and advanced students. In addition to those drawn directly from the department of chemistry, the following groups were also represented: medical school, child welfare, nutrition research, pediatrics research laboratory, nutrition interns, home economics, pharmacy, and zoology.

Since the majority of the members are research workers or advanced students, at least one meeting a year was devoted to reports and discussions by the individual members upon their research problems. The average membership of the chapter is approximately twenty.

In 1937 the Chapter instituted the custom of electing to membership qualified senior girls from surrounding colleges of Class A standing. A national committee appointed for this purpose specified which colleges were eligible. To date Iridium has elected girls from Grinnell, Cornell, Coe and Upper Iowa colleges.

Iridium chapter was hostess to the national convention of Iota Sigma Pi in 1939, with delegates present from eighteen chapters. Genevieve Stearns, research professor in the college of medicine, was national president at the time; local officers were Evelyn Cook, Dorothy Buck, Marjorie Moburg, and Kathryn Kopf. This convention was notable as one of the least

My post-doc adviser was also great about giving me numerous opportunities to present my work, such that I started to feel a lot more like an integral part of the field

Kate Queeney

Assistant Professor of
Chemistry Smith College

The great tragedy of Science - the slaying of a beautiful hypothesis by an ugly fact.

T.H. Huxley 1825-1895

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

expensive in the history of Iota Sigma Pi as it occurred in the depths of the depression and was held in a small community. In November 1939, two honorary members were elected: Professor Zada Cooper of the College of Pharmacy and Helen Brum, secretary of the Department of Chemistry.

In 1940 the Iota Sigma Pi Prize to encourage scholarship in chemistry was initiated and has since been offered annually to the woman having the highest average in sixteen or more hours of chemistry, and who is registered in chemistry at the time of the award.

In 1949 a service project in the form of a book collection for needy European students and faculties was undertaken by the chapter. Three hundred volumes were collected and sent.

Iridium, Aurum, Aurum Iodide and Mercury chapters took part in the Golden Jubilee of the founding of Iota Sigma Pi at the regional meeting held at Ames, Iowa on May 2-3, 1952.

Chapter sponsors over the years have been Mrs. Edward Bartow, Mrs. Hubert L. Olin, Mrs. Lothrop Smith and Mrs. Ralph Shriner, all wives of chemistry faculty members. Genevieve Stearns has been faculty sponsor for the group.

The chapter has been fortunate in having as faculty members (or member wives of faculty men) many distinguished women. Genevieve Stearns was former National President and former Research Professor Emeritus of the College of Medicine. Dr. Stearns shared two Borden awards for research, served in 1950 as a member of the Seminars on Infant Metabolism held in Sweden and Holland under the auspices of The World Health Organization, and in 1960 was Fulbright Professor to Egypt. Kate Daum, formerly Professor of Nutrition of the College of Medicine, received a Borden award for Achievement in Nutrition in 1949. Elenaor Slifer, Professor of Zoology, served as a Consultant in locust physiology at the University of Cambridge, England in 1949 on a general project conducted by the British Colonial Office. Mrs. George Glockler was one of the charter members of Oxygen chapter at the University of Washington and lived in Iowa City when her husband was head of the Chemistry Department. Sybil Woodruff was former national president and former head of the Home Economics department. Mrs. Henry Mattill was the wife of the former head of the Biochemistry department. Elizabeth Knapp (Smith) served as national editor. Dr. Marion Jones was Assistant Professor of Bacteriology. Dr. Margaret Ohlson, Director of Nutrition and Professor of Medicine, twice won a Borden award and was a consultant to the American Heart Association, an author of note and a prominent member of the American Dietetic Association. Dr. Margaret Osborn was Associate Professor of Home Economics. Mrs. Lucy Keith

was research assistant in the College of Dentistry. Genevieve Stearns and Margaret Ohlson have been honored by inclusion in "Who's Who in America." All of these members have graciously opened their homes for chapter activities and have been helpful in many ways.

The special services so often rendered to the chapter by the chapter honorary member, Helen Brum, secretary to the Head of the Department of Chemistry, are invaluable and deeply appreciated by all.

Members and friends of the chapter now deceased include Dr. Kate Daum, Dr. Edward Bartow, former Head of the Department of Chemistry, and Zada Cooper, honorary member. In 2001 many of the women listed as distinguished women are also deceased.

Kalium Fifteenth Chapter 1924-2001



Kalium chapter was installed at the University of Kansas on November 29, 1924, by Nitrogen, represented by Lucille Bliss and Anne Davey. The charter members were

President: Selina Gottlieb
Vice-President: Kathryn Wolfe
Treasurer: Ethel Ann Jones
Secretary: Elvira Weeks
Helen Cooper
Helene Thomas

Honorary members later elected were
Mrs. J. W. Murray
Mrs. G. M. Stratton

Monthly meetings, usually eight per year, were held and scientific or review papers presented by members. In the years 1937-1939, various chapters of the book by Alexander Findlay, "One Hundred Years of Chemistry," were presented and discussed.

Sybil Woodruff of Kalium served as national president, 1927-1930. In 1936 Kalium assisted in arranging the women chemist's dinner during the American Chemical Society meeting in Kansas City, and Elvira Weeks presided at that dinner.

Programs varied from year to year. Reviews of original work were given by the members; book reviews were presented; talks were given by faculty members, notably on women in science and on the development of new drugs; motion picture films on chemical subjects were shown. The chapter sponsored a lecture or a film showing in an open meeting on three occasions. They also

had a joint meeting with a Pharmacy Society, and several times attended the branch meeting of the American Chemical Society in a group. The chapter celebrated its twenty-fifth anniversary on November 29, 1949 with a dinner. The program included a talk on the history of the chapter and entertainment by the pledges.

National President Evelyn McBain visited the campus on April 4, 1940, when she was an honored guest at a dinner meeting. In February 1947, President Pauline Beery Mack assisted at initiation and afterwards, with Warren Mack, met members of the science faculty at a tea in their honor.

Kalium was represented at the 1927 convention by P. Mabel Nelson (proxy), in 1930 by Genevieve Stearns (proxy), 1933 by Mary Gear Moore, and in 1948 by Sheryl Holland.

Some of the catalysts were

Harriet Geer	Pauline Garber
Guita Marble	Frances Blair
Ethel Ann Jones	Lucille Aust
Marie Miller	Esther Ragle
Kathryn Tissue	Joyce Randolph
Elvira Weeks	Helen Matheson
Cassandra Ritter	Marie Zepplin

Cassandra Ritter, alumnae secretary and chapter historian, was very helpful in maintaining the records of the chapter and contacts with the National Council during periods of chapter inactivity. The charter was returned in 1960.

Reactivation-and the Period 1985-2001

The Kalium Chapter of Iota Sigma Pi was reinstalled by Sister Mary Rose Stockton, Permanent Historian, on May 12, 1985, at Washburn University of Topeka. Twelve charter members (ten were newly initiated) of the reactivated chapter signed the original 1924 charter. The officers selected for the first year (1985-1986) of operation were: President, Janice Barton; Vice President, Gunda Georg; Treasurer, Barbara Schowen; Secretary, Betty Cole.

Due to the small number of members and wishing to maximize participation, the officers decided to limit the number of meetings to two a year, one each semester for the first year. In 1985, Dr. Mary Lou Michaelis, University of Kansas, was the speaker for the Fall meeting held at the University of Kansas. Her topic, "Alcohol, Aging, and Cell Membranes," drew many interested questions from the audience of approximately twenty-five members and guests. For the benefit of our guests, Iota Sigma Pi and its goals were discussed before adjournment to a social hour. The highlight of the spring meeting held on April 27, 1986, at the Castle Tea Room Restaurant was the initiation of fifteen new members. The

speaker, Dr. Anneke Allen, Wichita State University, (also an initiate) presented "Women in Science" and drew on the resources of the National Science Foundation for statistical content.

Three events were scheduled for the 1986-1987 year by the following officers: President, Janice Barton; Vice President, Gunda Georg; Treasurer, Barbara Schowen; Secretaries, Marjorie Newmark and Mary McCoy. For the Fall 1986 dinner meeting, Dr. Lely Fuentes of Merck, Sharp, and Dohme, Rahway, NJ, presented her views of the "Profile of a Successful Industrial Woman Scientist" and lead a discussion on "Women Scientists in Academia and Industry". The discussion was lively and informative with the participation of many of the twenty-five attendees. The chapter sponsored a successful Women Chemists Luncheon in conjunction with the ACS Midwest Regional Meeting in Kansas City, MO. Twenty-nine women attended the luncheon at the Peacock Pavilion in Seville Square, on Thursday November 6, 1986. Since many in attendance were not members, part of the program was devoted to providing information about Iota Sigma Pi. Dr. Anneke Allen, the keynote speaker, discussed the "Status of Women in Science." At the spring banquet on March 28, 1987, Kalium chapter initiated nineteen new members. The vice president, Dr. Gunda Georg, a native of Germany, presented her reflections on the "Comparative Status of Women Scientists in the United States and Germany." Officers for the coming year were elected from a previously distributed slate of nominations. The nominating committee decided that it was in the best interests of the chapter to have the vice president designated as the president elect. By following this practice Kalium chapter should always have an experienced and knowledgeable person as a leader. The new officers for 1987-1988 were President, Gunda Georg; Vice President, Ildiko Kovach; Treasurer, Barbara Schowen; Secretary Marjorie Newmark; Historian Laman Al-Razzak; Faculty Liaison Kansas University, Mary Lou Michaelis; Faculty Liaison Washburn University, Janice Barton; Director of Fund Raising Committee, Connie McConnell; Director of Student Activities Committee, Debra Yourick. The fourth and last meeting of the year, scheduled by the new officers, was a Potluck Picnic at Centennial Park, Lawrence, KS on Sunday May 24 at 5pm. Each Kalium member was urged to bring a friend who is eligible for membership in Iota Sigma Pi. This relaxed social medium provided great opportunities for members and prospective members to become better acquainted.

In two years of operation, the Kalium chapter, most of whose members were associated with the University of Kansas or Washburn University, grew from 12 to 47 members. Plans were made to increase our numbers by approaching women scientists in Kansas City, especially those who are employees of commercial enterprises, and to contact women at Emporia State and Kansas State Universities.

Because of the short history of the Kalium chapter's recent existence, the treasury has been too small to

*Whenever I teach or
tutor, I make the
conscious decision to
stay in chemistry
because it enables me to
share my passion for the
science with others and
to perhaps ignite a
similar passion in my
students.*

Nicole R. Brinkmann

Graduate student

I think doing a post-doc was a critical part of my decision to stay in chemistry. It was a lot more "fun" than graduate school, since the environment was more collaborative; this gave me more exposure to a range of different research areas.

Kate Queeney

Assistant Professor of
Chemistry Smith College

support our activities; this necessitated financial contributions from some officers. To improve the chapter's financial status, fund raising strategies were developed by the newly elected financial committee in consultation with the other officers.

Representatives of the Kalium chapter to the Triennial Meeting in Minneapolis, MN from June 19 to 22, 1987, were Janice Barton, delegate and Gunda Georg, alternate delegate.

The members of the Kalium chapter were very proud to announce that, since the reinstallation of this chapter in 1985 with only twelve members, it has grown to an 85-member chapter by 1993. This was a result of the dedication and the enthusiasm of the former officers and members to encourage women scientists both from academia and industry to get involved in the activities of the Kalium Chapter.

This chapter had two major events annually during this period. The Fall social gathering was an informal meeting where members and non-members were able to interact with each other and actually get to know about Iota Sigma Pi. The meetings were held in the late afternoon/early evening at the home of the chapter treasurer, Barbara Schowen, with refreshments and a variety of wonderful potluck dishes provided by the attendees. An interesting and timely topic was usually discussed at this meeting. Due to the immense diversity of our membership, these themes had topics that ranged from U.S. to international experiences and views. The Spring Banquet and initiation always have been a festive event held in the historic Eldridge Hotel in downtown Lawrence. At this meeting the officers for the next year were elected from a previously distributed slate of nominations, and new members were initiated to the chapter. A banquet address by an eminent woman scientist and a discussion followed the initiation ceremony.

Recent leaders of this chapter include Mary Lou Michaelis, Magdalena Mejillano, Joyce Barrett, Barbara Schowen, Gunda Georg, Pam Reilly, Carrie Skawinski, Susanne Thompson, Martha Morton, Diane Thompson, Binodh DeSilva, Rolande Hodel, Claudia Elkins, Evelyn Constance Powell, Kathleen Heppert, Kim Mitchell, Jan Barton, Cindy Larive, Melissa Perkins, Yolanda Fintschenko, Becky Roesner, Yoli Fintschenko, Annie Lee, Karen Padden, Cora MacBeth, and Julie Chappel.

Recent programs have included fall picnics and spring initiation banquets. At each meeting a special topic is included. Some of the topics are as follows: Women in the Chemical Sciences: Personal perspectives and experiences of KU students and post-docs from many countries, Biology Looks at Women, Time Management - A critical issue to the working woman. Both academic and industrial aspects were discussed: How we can affect the future of Chemistry;

Cultural Transitions - focusing on the transition from College to Graduate school, from Graduate School to a job and finally the transitions an international student goes through in coming into the U.S.; and Iota Sigma Pi: Past Present and Future.

The annual allotment from the national office has been used primarily to cover the costs of the yearly initiation banquet. This includes subsidizing the cost of meals for student members and providing complimentary beverages and snacks. Remaining funds are used to reimburse our speakers for their travel expenses and for miscellaneous office supplies, photocopying of announcements and programs.

Chapter representatives of the Kalium Chapter to recent Triennium Conventions have been: Jan Barton, Binodh DeSilva, and Allyson Charbonnet. The 2002 recipient of the Award for Professional Excellence was Dr. Kristin Bowman-James of Kalium Chapter. She attended the Centennial Convention and presented a speech entitled "Explorations in Anion Coordination Chemistry".

Recruitment strategies: Include all local women chemists and chemistry students on our mailing list for chapter activities; invite for membership women who have declined membership in the past; encourage participation in planning chapter activities; and inclusion of women from local chemical corporations in our membership.

Community outreach activities: Participation in the Department of Chemistry's and the local ACS Section's ACS Carnival of Chemistry for Elementary School children and their parents; involvement with the local chemical community or other chemistry organizations; collaboration with the local ACS section on programs for children.

Recent events have included a get-acquainted potluck held on October 18, 1998, at the home of Dr. Barbara Schowen. Some members attended the November 4, 1998 campus seminar entitled "The Climate at the University of Kansas for Women Faculty, Staff and Students - A Preliminary Report." The chapter held a holiday dinner at the Kansas Union on December 9, 1998 with Dr. Susan Lunte, speaker. Chapter initiation was held on March 6, 1999 at the Kansas University Alumni Center with Dr. Diane Thompson, speaker. Thirty-one new members were initiated. The chapter finished the year with a picnic. The spring picnic was held on June 16th at Wells Overlook Park.

Evaluation and strategic plans - From inactivity we have evolved into an active chapter with a new mission statement. We hope that this mission statement will provide guidance and purpose for the organization. Iota Sigma Pi is a national honor society for women in chemistry and allied fields. The Kansas Chapter, Kalium, dedicates itself to

the promotion of women in the chemical sciences through professional and personal support within the chapter, as well as through the scientific education of girls and women in our community. To accomplish these goals we encourage our members to: (1) Volunteer in ACS and other community science outreach programs; (2) Implement programs supporting and promoting women in their place of work; (3) Support Iota Sigma Pi members professionally; (4) Actively participate in national Iota Sigma Pi meetings, publications, award competitions, and in government.

Kalium - women promoting women for the sake of science!

Lanthanum
Forty-eighth Chapter
1998-2001



The Lanthanum chapter was begun by women chemists on the faculty at three area colleges: Lynchburg College, Sweet Briar College, and Randolph-Macon Woman's College. The Lanthanum name (La) was chosen as a representation of the Lynchburg area (in Virginia) served by the chapter. The La roll includes Iota Sigma Pi members who reside east of the Blue Ridge Mountains and centers on the greater Lynchburg metropolitan area. These three area colleges have strong ties to one another. Annually the three Departments of Chemistry meet to hear their senior students report on research projects, preceded by an informal dinner. The three colleges also support inter-campus class enrollment, share an on-line library catalog and full intercampus library loans. Students from the three colleges also participate in summer research across the campuses. The presence of the La chapter of Iota Sigma Pi has brought these departments even closer and has provided a means for recognizing student excellence and promise in chemistry.

Both Sweet Briar and Randolph-Macon Woman's College are women's colleges whose science faculty in particular are dedicated to supporting young women in the sciences. The La Iota Sigma Pi chapter enables the faculty to demonstrate to these young women chemists the strength of the support network available to them once they leave our campuses. The faculty made it a priority to identify student initiates and to get them involved in the chapter at the earliest possible opportunity.

National Vice-President, Susan Marine, led the May 9, 1998 activation ceremony, held at Sweet Briar College. The eight charter members were President, Jill Nelson Granger; Vice-President, Luz

M. Calle; Secretary, Anne McElwee Reeve; Treasurer, Susan B. Piepho; Historian, Robin Lee Davies; Ann M. Fabirkiewicz, Priscilla Gannicott, and Pamela T. Simpson. Undergraduate students, college administration, Iota Sigma Pi members, and community members were in attendance. The ceremony was followed by a reception provided by Sweet Briar College's academic dean.

The newly activated chapter meets formally, on average, once per semester. Routine business is typically conducted by e-mail. Initiation ceremonies were held on December 4, 1998; October 7, 1999; and October 20, 2000. The chapter has recognized 23 students of distinction by welcoming them into Iota Sigma Pi membership. Three additional regular members, (Desi Justis, Suzanne Ziesmann, and Allison Jablonski) have also joined this chapter. The three colleges take turns hosting the various La chapter events. Ann Fabirkiewicz replaced Luz Calle as Vice-President in the fall of 2000. The other chapter officers have remained the same.

Major activities of this chapter include seminar speakers, community outreach activities, and social events. In the fall of 1999, Sweet Briar College recognized outstanding alumna, Eden Rue (SBC class of '89). Eden is currently a professor at The Institute for Marine Sciences at the University of California at Santa Cruz. She gave an address to Iota Sigma Pi chapter members, entitled "Give Me a Half a Tanker of Iron, and I'll Give You an Ice Age", and met with them informally for questions and dinner. The chapter meets at least once per year, usually in the spring, to visit socially, and to connect especially with the graduating senior Iota Sigma Pi student members. This social event has been held at member's homes.

On January 20, 2001, La chapter hosted "Brownie Science Try-It Day" in which Iota Sigma Pi members set up 10 hands-on science stations for approximately 30 Lynchburg area Brownie Scouts to "Try-It". The Brownies (girls in grades 1-3) were also treated to lunch in the college cafeteria and a keynote discussion with La member, Anne Reeve. The Brownies received two merit badges (called Try-Its) for their work and the Iota Sigma Pi chapter was heralded in two local newspapers for sponsoring the event.

Manganese
Twenty-sixth Chapter
1951-1975



The group of students organized at Hunter College in New York City was led by faculty sponsor

Be competent.

Carol Crosthwaite

Like many miserable graduate students, I too thought about leaving graduate school. I thought about giving it all up and pursuing a career in business. I received support from two very exceptional women. Dr. Lily Ng (Iota Sigma Pi) and Dr. Tara Myer (Ph.D. advisor). Their support helped me hang on and finish. Today, I'm so glad I did. I can't imagine what my life would be like without "science."

Gidget Kantrel Ternet

Senior member
Technical Staff
Space Materials
Laboratory
The Aerospace
Corporation

Eleanor Marr. There were seven charter members when the petition was approved by the chapters. The new group to be known as Manganese chapter was installed June 15, 1951, by National Vice-President Gladys Emerson. Fourteen new members were initiated in 1952. The chapter lapsed into inactive state in 1952.

In 1975 Columbium, Manganese, and Vanadium Chapters merged to form a metropolitan chapter under the name Vanadium Chapter.

Mercury Twelfth Chapter 1923-2001



Mildred Ziegler of Ytterbium, Enid W. Jaeger, Jessie E. McMahon and Lenore Dunnigan of Aurum, and Mary Morse of Phosphorus installed Mercury chapter at the University of Minnesota on April 10, 1923. The installation was held in the Fireplace Room of the Home Economics building on the campus of the Institute of Agriculture of the University of Minnesota. The initiation was preceded by a supper, and the new members were initiated individually according to the ritual of the society. The charter members of Mercury chapter were

President: Ruth Elmquist
Vice-President: Edla Anderson
Treasurer: Lucile Krantz Heisig
Secretary: Esther Bauer
Hallie F. Bruce
Lillian Cohen
Barbara Lee Lund
Minerva Morse
Lillian L. Nye

Sisters Marie Hilger and M. Bernadette (Lies) were honorary members.

In the early years, Mercury Chapter sponsored jointly with Phi Lambda Upsilon and Alpha Chi Sigma, a series of public lectures by noted speakers in chemical and allied fields. Then, as now, some of the regular meetings of the chapter were set aside for reports by members upon their own research or upon recent advances in their own special fields. Time also has been given for the report of the delegate to the national convention and for reports of members who have visited or studied in places other than Minnesota.

It has been the policy of this chapter to maintain a high scholarship requirement for membership. Each year there have been between twenty and forty active members, augmented each spring by a group of six to seventeen initiates, who as a rule take positions elsewhere and thus sever their connections with this chapter. The active members are almost entirely graduate students and staff

members of the University of Minnesota or other colleges in the area, with a few members from industry and several homemakers. The staff members and graduate students are from many different departments but in each case their main interest is in some application of chemistry.

This chapter has been represented on the national council by Lillian Cohen who served three years and Alice Biester who served six years as National Treasurer; H. Marjorie Crawford, who transferred to Aurum, served six years as National Secretary; Marie Berg completed eight years as National Coordinator of Regional Directors and Members-at-Large in 1972; Nobuko Mizuno served six years as National Secretary and finished Virginia Williams' term as National Historian in 1972; Frances Ostertag served one year as National Secretary. Sister Antonuis Kennelly finished that term and served another term as National Secretary. Sister Antonuis finished Beth Svoboda's term as Membership Chairman and served another three-year term as Membership Chairman. Lynda Ellis served as Chairman of the National Professional Awards Committee. Lynda Ellis served a term as Membership Chairman. Patricia Fish served one term as National Secretary, two terms as National Treasurer and one term as Records Chair.

Mercury Chapter was hostess to the Twelfth Triennial Convention June 18-21, 1957. In 1943, three-one hundred dollar war bonds were bought to ensure a fund from which to make awards. In 1941 and 1942, awards were given to the senior girls majoring in chemistry with the highest scholastic average. Later a policy was adopted of giving an award each year to a member of Mercury chapter, or a woman eligible for membership, who had been outstanding in some field such as scholarship, research ability, professional achievement, or service to Iota Sigma Pi. The award may be in money or may take the form of a book, membership in a scientific society, a scroll or whatever the committee may agree upon. Awards were given to Lillian Cohen at the time of her retirement in 1946 and to Mother Antonius, president of St. Catherine's College in 1947. In 1959 these bonds and one more bond were cashed and have been drawing interest on a savings account to provide an annual award of twenty-five dollars, part of which is drawn from the principal. Award winners have included

1953 Eleanor Berman
1959 Nobuko Mizuno
1960 Sister Marie James
1961 Doris Doeden
1965 Bertha Lewis
1967 Mary Dempsey
1968 Marie Berg
1970 Donuti Giganti
1971 Eunice Flock
1973 Sister Mary Thompson
1974 Nora Larson
1976 Velta Goppers

1977 Terry Brown
1978 Clare Woodward
1980 Renae Jech

Two mercury Chapter members were named National Honorary Members Betty Sullivan in 1972 and Bridgette Barry in 1999. Two other Mercury Chapter members were recipients of an Anna Louise Hoffmann Award for outstanding achievement in graduate research. Irene Gennick received the award in 1979, and Karen Scanlon, in 1981.

In 1955, Ethel Phelps and Alice Biester received special recognition at the time of their retirement after forty years of service at the University. In 1960, Jane Leichsenring, Professor of Nutrition, retired after many years of service to the University and also to Iota Sigma Pi which she served in many capacities including faculty adviser. Other members who retired were: Dr. Agnes Hanson from the Botany Department of University of Minnesota, who for many years recorded the daily pollen count during hay fever season; Dr. Nora Larson, Biology Department, St. Olaf College; and Dr. Eunice Flock of the Mayo Clinic.

Lillian Cohen, past national treasurer of Iota Sigma Pi, died in 1949. She was a charter member of Mercury chapter and devoted much time and energy to the welfare of girls in chemistry. Her interest and enthusiasm did much to make Mercury chapter a success. Mercury chapter also lost Louise Dosdall, a charter member, who in 1952 had been honored as Iota Sigma Pi's oldest living member. In her memory the chapter donated fifty dollars to the Agricultural library, St. Paul campus, for the purchase of books.

Between 1963 and 1980 death claimed seven other members; Dorothy Radusch, Ethel Phelps, Alice Biester, Cornelia Kennedy, Mae Collin, Sister Loyola Gregoine, and Lillian Nye. Six Mercury Chapter members have passed away between 1981 and 2002. The list includes Nora Larson ('88), Sr. James Agnes Fogarty ('90), Sr. Antonius Kennelly ('95), Doris Doeden ('98), Dorothy E. Barker ('99), Betty Sullivan ('99), Agnes A. Alich ('01), and Velta M. Goppers ('02).

Beginning in 1938, Mercury chapter elected members from Carleton College and the College of St. Catherine. Since 1940 catalysts have included

Alice Betty Croze	Lura Morse
Dorothea Radusch	Marie Berg
Jean Vivino	Anne Peterson
Katherine Wismer Peterson	Hildegard Hof
Louise Leavitt	Margaret Doyle
Catherine Zander	Madelyn Hargrave
Erma Miller	Kathleen Lewis
Doris Grambow	Frances Ostertag
Bessie Merner	Frances Shiota
Lois Hallanger	Sister Antonius
	Kennelly
Ruth Harris	Daphne Hill (two

Lucille Ryan
Mary Ann Ochs
Mary Beth Dempsey
Mary Ann Morris
Norma Otteson
Betty Lewis
Holly Hayes
Nobuko S. Mizuno

terms)
Velta Goppers
Kathleen Parsons
Sandra Ristow
Danuta Giganti
Florence Gleason
Lynda Ellis
Kathleen Terry

Originally established for the St. Paul and Minneapolis campuses of the University of Minnesota, it extended membership to Carleton and St. Catherine's Colleges in 1938. More recently the Chapter has included Hamline, Macalester, Augsburg, St. Olaf's Gustavus Adolphus Colleges and the Duluth campus. Mercury became a Metropolitan Chapter in 1970. Mercury celebrated the Fiftieth Anniversary of its installation at a Golden Jubilee luncheon on May 19, 1973. Dr. Betty Sullivan was the principal speaker. Letters were read from National Officers and other Iotans who could not attend. To the great pleasure of all, one of the 1923 initiates, Minerva Morse, was present. Former presidents and award winners were featured during the luncheon.

While approximately half of Mercury meeting topics are chosen from the fields of biochemistry, medicine, environment, ecology, instrumentation, and are frequently interdisciplinary in nature, the other half is distributed almost equally among Women in Science, Politics, members' research, and computer applied to medicine or education or information retrieval. There are occasional forays into science in other lands (China, Africa), art and other hobbies. Mercury schedules at least one joint meeting a year with Sigma Delta Epsilon and another with the Minnesota section of the American Chemical Society, American Institute of Chemical Engineers, Institute of Industrial Chemists. An occasional Careers Night has proved popular.

The plant tours from 1973-1980 have included Minnesota State Crime Laboratory, Twin City Testing and Engineering Laboratory, Gray Freshwater Biological Institute (twice), Visual Products Section 3M, Medtronics Pacemaker Facility, Minneapolis Institute of Arts, The Omni Theater (Genesis) and St. Paul Science Museum.

Prior to 1980, five or six meetings were held each year, most of which are dinner meetings followed by a talk by a guest who is a faculty member of the society. In the winter quarter, the girls majoring in chemistry or allied subjects are invited to a dinner meeting at which time the purpose of Iota Sigma Pi is explained.

From 1980 to 2001 Mercury Chapter has had from two to five meetings a year. The March meeting is held traditionally with The American Chemical Society and The American Institute of

I enjoyed that work.

Dr. Isabella Karle

Senior Scientist
specializing in
Crystallography
Naval Research
Laboratory,
Manhattan Project

Many excellent women scientists find it difficult to promote themselves and are, therefore, overlooked

Allison Campbell
Affiliate associate professor, Bioengineering Department, University of Washington, Seattle

Chemical & Engineering News
February 25, 2002, pg 31

Chemical Engineers with guest speaker following dinner. Other meetings are usually a guest speaker or award winner with dessert afterward. Initiation is often in late April or May. The programs cover a wide range of topics from science, medicine, education, or politics, often concerning the speakers' research. The varied interests of the group are reflected in the programs which consist chiefly of reports on the research of the members, with occasional talks both scientific and otherwise by guests. The subjects of the reports indicate the kind of research in which Mercury women are engaged. They include such varied topics as textiles, zoology, housing, education, dental caries, bacteria, nutrition, blood regeneration, enzymes, organic structure, paralysis, cancer, fermentation, metabolism, ketosteroids, pharmaceuticals, Univac Computers and World Law.

In 1983 Mercury celebrated the sixtieth anniversary of its founding with a luncheon held at The College of St. Catherine.

The twenty-second triennial convention was held June 19-22, 1987, at the Normandy Inn in Minneapolis, Minnesota hosted by Mercury Chapter and led by President Celia Menendez-Botet. The theme of the convention was "Follow the Northern Lights....". The convention was attended by twenty-six delegates, thirteen other registrants, and the National Council.

One award is presented annually by Mercury. The Professional Achievement Award was given to Sr. Antonius Kennelly (1981), Dr. Marian Stankovich (1984), Dr. Julie Jones (1987), Dr. Margaret C. Etter (1990), Dr. Jane Snell Copes (1993), and Laura Eddy (1999). The Undergraduate Achievement Award was presented to Leah Ruby (1982), Mary Elizabeth Gerig (1985), Christine Blaine (1988), Brenda Tjelta (1991), and Anne S. Hodges (1997). The Graduate Achievement Awards went to: Orla Canneely (1983), Lisa Dahuron (1986), Sheila David (1989), Kim Elayne Paulson (1992), and Leah Chase Waller (1998).

Neptunium Thirty-first Chapter 1966-2001



In 1965, two women faculty members of the Department of Chemistry, Eby McElrath and Mamie Moy, Tellurium, laid the organizational groundwork for a new chapter of Iota Sigma Pi at the University of Houston. They felt it appropriate to provide recognition for the scholastic achievement of women students in chemistry and allied fields. Eligible students were polled as to

their willingness to join and support such an honorary society. The response was overwhelmingly favorable, and on March 9, 1966, a new chapter of Iota Sigma Pi was installed. Neptunium was chosen for the name of the new chapter because of the close proximity of Houston to the Gulf of Mexico and the great influence this geographical location has exerted on the progress of the city and the University.

The installation was held in the auditorium of the new Lamar Fleming Building, which houses the Department of Chemistry. Dr. Jane Fraenkel-Conrat, National President, Dr. Virginia Williams, National Historian, and members of Chlorine at Louisiana State University at Baton Rouge performed the rite of installation.

Mary Jean Batchelor Allison
Norma Sue Whitaker Evers
Rose Mary Fritz
La Nelle Evelyn Nerger Geddes
Mary Lunn Greer
Mary Jane Ezzard Helper
Laura Vann Keever
Judith Ann Fisher Kitchens
Pansy Tin Yeung Lo
Eby McElrath
Maryon Waldman Ruchelman
Amelia Daphene Overstreet
Sharon Anne Anderson McGovern
Bonnie Kathleen Strader
Judy Eileen Vance

Following the initiation ceremony, a reception was held by the newly initiated chapter for their guests, who included faculty members of the Chemistry Department and distinguished visitors from other departments and the Administration of the University. Later a dinner was held for the new chapter members and installing officers.

The first chapter president was La Nelle Geddes who served from 1966-1968. The chapter was installed a few months prior to the Fifteenth Triennial Convention and a delegate from the new chapter attended. Mrs. Mamie Moy became faculty sponsor in 1967. In 1967, an award for the outstanding woman student in a scientific field who had completed two years of chemistry was established. The awardees name is engraved on a permanent plaque, and she is presented with a gift.

In the years 1966-69, the chapter held a Christmas reception for the faculty, graduate students, and staff of the Chemistry Department. In 1970, due to a change in the school calendar, the Christmas reception was converted to a Valentine reception.

In May, 1969, the chapter held a reception to honor one of its members, Dr. Eby McElrath. Dr. McElrath received the Piper Award as one of the outstanding college teachers in the state.

In the early years most of the chapter meetings were Saturday luncheons. This type of meeting has been well received, since most of the members

are free to attend at this time. The chapter has been very fortunate in maintaining on its active roster a number of members who have since graduated. Their continuing active support gives continuity to the activities of the chapter. In 1971 the chapter moved outside the University of Houston and elected to membership eligible women from Rice University, Texas Southern University, and Houston Baptist College.

The activities of the year end with a covered dish luncheon and swim party at the home of one of the members. At this meeting, begun in 1971, the officers for the coming year are installed and the annual award is presented.

Dr. LaNelle Geddes, the first president of Neptunium, was elected National Vice President at the Seventeenth Triennial Convention held at the University of Cincinnati in 1972.

Neptunium Chapter was hostess for the 18th Triennial National Convention of Iota Sigma Pi at the University of Houston in June, 1975. Mrs. Mamie Moy, chapter sponsor, was in charge of local convention arrangements. Neptunium Chapter greeted National Council, chapter Delegates and visitors with a Sunday evening buffet in the Fleming Science Building followed by a tour of the Chemistry department.

Neptunium member Janet A. Lindsey, Houston Baptist University, was awarded the 1976 Iota Sigma Pi National Undergraduate Award for Excellence in Chemistry. Dr. Marjorie Horning, Baylor College of Medicine, received the 1977 Garvan Award of the American Chemical Society. Dr. Doris Warren, Houston Baptist University, former Neptunium president, served as National Editor of the **IOTAN NEWSLETTER** during 1976-1981.

Neptunium Chapter has continued to expand as the Houston metropolitan area has grown. The scientific industries, particularly in energy related fields, and the medical center have continued to add more scientific personnel. In 1980, led by chapter president, Dr. Joyce Thompson, Neptunium obtained metropolitan status and expanded its membership to include undergraduate and graduate students from several local universities, women scientists from the medical center and a variety of industries.

Neptunium chapter sponsored a dinner in March, 1980 in conjunction with the American Chemical Society Meeting in Houston at the Heritage Park Tea Room. Approximately sixty Iotans from eight chapters attended.

In 1980, chapter activities began with a program highlighting speakers from among our own members. In late April, Neptunium initiated 20 new members in a spring ceremony held in the gardens at the home of Mary Hindman, chapter

treasurer. Following the ceremony, a brunch was given in honor of the initiates. Approximately 15 members and guests were in attendance. We closed the year in May with installation of officers for the coming year, followed by a swimming party, again at the home of our treasurer.

Neptunium chapter began the 1981-84 Triennium with 118 women who are students (undergraduate and graduate), post-doctoral fellows, professors, teachers, technicians, and research scientists at area universities, high schools, and industries. Our diverse membership dictated our chapter in presenting an equally diverse activities agenda. Since local American Chemical Society and other organizational meetings and the numerous seminars offered by our universities adequately served to update and broaden our chemical knowledge, our meetings were directed at career development and personal growth. Topics had ranged from the serious to some included simply for fun and relaxation. During this Triennium, Dr. Doris Warren, National Editor of the **IOTAN NEWSLETTER** from 1976-1981, served as National President.

During the 1984-87 Triennium, Neptunium continued with the format of three meetings per year. A typical meeting consisted of a short business meeting, a speaker, and refreshments and conversation. Neptunium member and Garvan Medalist Marjorie Horning was honored as the recipient of the 1985 Iota Sigma Pi National Honorary Member Award during the April initiation and luncheon held at the Rice Graduate House. In October of 1985, the chapter hosted a special banquet at the University of Houston Hilton Hotel for Dr. Jean'ne Shreeve, the 1984 Iota Sigma Pi National Honorary Member, during which she gave a talk on fluorine chemistry. All interested persons were welcome to attend and several male chemists were in attendance. Mamie Moy, chapter faculty liaison, served as National Vice President during 1984-1987.

In early 1986, Doris Warren, Immediate Past President of National, 1984-87, traveled with a group of chemists to various research centers in China to share with them her knowledge of biotechnology. In October of 1986, Neptunium members Mamie Moy, chapter faculty liaison, and Pat Criswell, talked to the chapter about CHEMCOM, an innovative program for teaching chemistry to high school students with non-science interests. Mamie was on the development team for the program, which was developed with the support of the National Science Foundation and the American Chemical Society. Pat was one of the high school teachers chosen to field-test the program in her high school. On November of 1986, Neptunium hosted an Iota Sigma Pi luncheon during the American Chemical Society regional meeting in Houston at the Adam's Mark Hotel. A symposium on "Women in Chemistry-Leadership Roles in Research, Business, and

*Give up thinking you can
change other people*

Carol Crosthwaite

Mentors help guide undergrads and prepare them for graduate work. Undergraduates should try to have as much research experience as possible, including summer internships, so that they can determine where their interests lie.

Valerie Sheares

Assistant Professor Iowa State University Dept. of Chemistry
Aimes, IA

Chemical & Engineering News

August 26, 2002, pg. 34

Education", organized by Neptunium member Connie Merrill was held on the same day. All the speakers of the symposium were guests at the luncheon. Several Neptunium members received special honors in 1986: Dr. Bridget McCortney was awarded the 1986 Iota Sigma Pi Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research; Beverly Lee received the Science Teacher's Association of Texas Outstanding Science Teacher for Grades 9-12; Dr. Joyce Thompson received a nomination to the Texas Women's Hall of Fame; and Pat Criswell was awarded the American Chemical Society, Southeastern Section, Outstanding High School Chemistry Award. Neptunium member Prashanti Sarma was awarded the 1987 Iota Sigma Pi Gladys Anderson Emerson Undergraduate Scholarship and was the first recipient of this Award of \$1000.

For the 1987-90 Triennium, Neptunium targeted several goals: (1) to increase membership and involvement from industry, (2) to increase participation by all members, and (3) to increase networking. During this period, a summer pool party, a Christmas party and a Valentine party were held. In 1987 and 1988, initiation was held in conjunction with the Valentine party. In 1989, in addition to the summer pool party, Christmas party and Valentine party, initiation was held at a special banquet at the University of Houston Hilton Hotel in April. In late May, Neptunium hosted a dinner for Sister Mary Virginia Orna, College of New Rochelle, after her talk to the American Chemical Society-Southeastern Texas Section. Beverly Lee, chapter treasurer, served as National Editor of the IOTAN during 1987-90. By the end of the Triennium, many of the meetings were poorly attended and the chapter was without a president. Due to the disinterest of the membership, consideration was being given for Neptunium to take a sabbatical.

During the 1990-93 Triennium, although Neptunium was not very active as a chapter, its members continued with our long tradition of outreach activities.

By April of 1993, with renewed energy, several members from Neptunium chapter were ready to pick up and continue with the activities of the organization. A delegate was selected to attend the 24th National Triennial Convention. During the 1993-96 Triennium, several steps were taken to restart the chapter. In October of 1993, the chapter held an organizational meeting to plan our future activities. Mary Kimzey, Kathryn Louie, Mamie Moy, Joyce Thompson, and Doris Warren were in attendance. Since Neptunium had not been as active as in years past, we decided a membership survey was needed. With a 46% response rate, the chapter was able to determine the activities the members most wanted. The officers selected from this renewal meeting were Kathryn Louie, president; Mary Kimzey, secretary and treasurer; and Mamie Moy, faculty

liaison. Our goals were to (1) increase membership, (2) reestablish contact with our present members; and (3) provide programs and activities that would be of greater interest to our members.

Several members began our tradition as annual presenters at the "Expanding Your Horizons Conference" for young girls ages 11-14 during this Triennium. In November of 1994, Neptunium co-sponsored a dinner meeting with the American Chemical Society, Greater Houston Section, at the University of Houston Hilton Hotel. The topic was "Texas Rock Art" and the speaker was Dr. Marvin Rowe from Texas A & M University. In April of 1996, Neptunium sponsored a presentation by Dr. Jennifer Cousins, co-principle investigator and project director of the Women's Health Initiative at Baylor College of Medicine, at the Houston Museum of Natural Science. Several members were honored in the May, 1996, issue of the IOTAN for their 50 or more years of membership in Iota Sigma Pi: Ruth Harrison Pierce, Marjorie G. Horning, Eurilla Mayerle and Cecil M. Childers.

During the 1996-99 Triennium, Neptunium member Mamie W. Moy, former National Vice-President, received one of the 10 YWCA Outstanding Woman awards presented in Houston, TX in 1996. The Houston YWCA honored Mamie for her professional contributions as an "Outstanding Woman in Education". She is the founder and Director of the University of Houston Science and Mathematics Applied Resources for Pre-College Teachers (SMART) Center. Dr. Doris Warren, former National Editor and National President, was promoted to Dean of the College of Science and Mathematics at Houston Baptist University. Dr. Kathryn Louie, Neptunium President, was appointed to coordinate the Mentoring Program launched by National Council.

During National Chemistry Week of November of 1998, Neptunium, in partnership with the American Chemical Society-Greater Houston Section, sponsored a day of hands-on activities at the Houston Museum of Natural Science. Mamie Moy organized the activities and also presented a "Wonders of Chemistry" demonstration sponsored by Shell Chemical and American Landscape Museum to a "Say Yes" school. The "Say Yes to a Youngster's Future" is a program designed by the National Urban Coalition to help minority children in math, science and technology. Also in November, Neptunium chapter hosted a wine and cheese reception for Dr. Mary Good, Iota Sigma Pi 1983 National Honorary Member, Garvan Medalist and Priestly Medalist, prior to her presentation for the Engineering, Science and Technology Council of Houston.

In May of 1999, members from Neptunium participated in "Building a Pipeline for the Sciences" in the Aldine Independent School District. Approximately 1100 students partici-

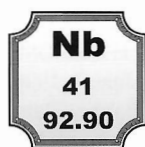
pated in this all-day conference of 8 hands-on chemistry activities for elementary school students in Grades 4-6.

Neptunium chapter hosted a reception in November of 1999, at the University of Houston Athletic/Alumni Center for Dr. Janet Osteryoung, Iota Sigma Pi 1990 National Honorary Member, after her seminar at the Chemistry Department. Members in Neptunium again participated in National Chemistry Week at the Houston Museum of Natural Science in which nearly 1600 students plus their parents participated in the "Chemistry for Cool Kids" event and at the Kids Science Expo sponsored by Shell Chemical and American Landscape Museum. Dr. Kathryn Louie, Baylor College of Medicine, Neptunium president, was elected National Treasurer for the 1999-2002 Triennium.

In May of 2000, Neptunium continued with its participation in "Building a Pipeline for the Sciences". Approximately 1700 students participated in the all-day conference. Members of Neptunium participated in National Chemistry Week, with its theme "Kitchen Chemistry" in November. About 2500 elementary school children were in attendance. Dr. Kathryn Louie, Neptunium president and National Treasurer was co-chair at the event. This year, Neptunium member Mamie W. Moy became our most recent fifty-year member.

Neptunium will close the year 2000-2001, with a spring initiation and continuation of our tradition of outreach and mentoring to future young scientists and chemists.

Niobium Twenty-seventh Chapter 1960-1986



In the spring of 1958 Betty E. Hawthorne and Clara Storvick of the Foods and Nutrition research group at Oregon State University, with the encouragement of Bert E. Christensen, head of the Chemistry department, approached ten other women in the area who had been members of Iota Sigma Pi at other schools. In November 1959, an informal meeting was held with young women from the Chemistry department, the Agricultural Chemistry department, and the Science Research Institute, at the home of Dr. Hawthorne, at which time Elizabeth K. Smith, the national Vice President of Iota Sigma Pi from Seattle, met with the group.

The Niobium club was thus organized with members as listed in the original petition. This

petition was accompanied by letters from several staff members, the faculty advisor of the group, Allen B. Scott, head of the Chemistry department, Bert E. Christensen, and the Dean of the School of Science, F. A. Gilfillan. Nine charter members of the club signed the petition.

Niobium chapter of Iota Sigma Pi was installed on Saturday, May 14, 1960, with Dr. Smith present as the installing officer. Nine students, undergraduate and graduate, and five faculty members were initiated. Five additional students were pledged at the same time. A dinner followed at which time the members invited guests to hear a talk given by Dr. Edward Lingafelter, professor of chemistry at the University of Washington. Since that time the group has grown until the roster has now thirty-one active members.

In the Spring of 1963, Niobium initiated its first Honorary Member, Dr. Evelyn Oginsky, microbiologist from the University of Oregon Medical School, Portland, and recipient of the Iota Sigma Pi Research Award in 1960. Other outstanding women in chemistry who have been chapter guests at this annual spring initiation banquet have been Dr. Elizabeth K. Smith, Regional Director, Dr. Lois J. Durham, National Treasurer, and Dr. Jane Fraenkel-Conrat, at the time immediate Past-President of Iota Sigma Pi. On several of these occasions the distinguished visitor and wives of the Chemistry faculty were honored at a tea and reception.

Other supper events have been informal pot-luck picnics in the summer as the guests of Dr. Clara Storvick and Dr. Margaret Fincke, both Oregon State University staff members, and the annual Fall Dessert on campus, at which time all women in chemistry new to the university, and prospective student members were entertained.

In 1963, Niobium published its first newsletter, **Niobium News**, which was sent to all past and present members. Again in March, 1968, a letter was sent containing news of interest to all chapter members and a chapter roster.

Meetings are held twice monthly: the first meeting being a business meeting; the second being a seminar, often followed by a tour of the research facilities used by the member or other campus chemist who presented the talk.

Niobium hosted the Fifteenth Triennial Convention of Iota Sigma Pi at Oregon State University, June 12-15, 1966. Dr. Anne Deeney of the Agricultural Chemistry staff, and at the time President of Niobium, was chairman of this event. Highlight of the convention was the election to the National Presidency of Dr. Clara Storvick, who was initiated into Aurum and who has supported Niobium faithfully since its beginning.

Following are other members of Niobium who

*When the dust settles
down, you will see if you
are riding a horse or a
donkey.*

Albert Szent-Györgyi
Nobel Prize in
Physiology or Medicine
1937

I can never repay the ladies who have mentored and encouraged me in my scientific pursuits, but I can honor these women by serving as a mentor to younger women in chemistry and science.

Nicole R. Brinkmann

Graduate student

have received honors: Dr. Margaret Fincke, Professor of Foods and Nutrition, left the campus in the fall of 1969 to become the first director of the new School of Nutrition and Domestic Sciences at the Rehovot campus of the Hebrew University, Israel. Among the many honors Dr. Fincke has received during her years at Oregon State University has been the distinguished Professor Award of the Alumni Association, accompanied by a stipend of one thousand dollars.

Dr. Clara Storvick was honored in June, 1966, by Iowa State University with the Distinguished Achievement Citation.

Dr. Betty Hawthorne, Oxygen, became Dean of Home Economics at Oregon State University September, 1965. In the spring of 1968, the University Chapter of Theta Sigma Phi, national professional fraternity for women in communications, honored her for leadership and service within the community and for outstanding work in organizations at the local, state, and national levels. Ruth Scott, Oxygen permanent chapter historian, received the same honor in 1967. In March of 1980, Dr. Hawthorne received the Golden Torch Award from the Oregon Federation of Business and Professional Women's Clubs, Inc., an honor given for promotion of equality of opportunity for women through counseling, developing community programs and supporting legislation.

Mrs. Janet Bubl, Mercury, Assistant Professor of Clothing, Textiles, and Related Arts, was elected chairman of the Western Regional Technical Committee for Textiles Research Project W-80. She spent the academic year 1971-72 at the University of Maryland, College Park, Maryland, doing graduate work in textile science and economics of the textile and apparel industries.

Dr. Lorraine Miller, Associate Professor of Foods and Nutrition spent the calendar year of 1973 learning cell culture techniques at Rush-Presbyterian-St. Luke's Medical Center College.

Dr. Jane Wyatt became Consumer Officer under the Oregon State Department of Agriculture. In 1978, Dr. Wyatt became an Associate Professor of Food Science and Technology, at Oregon University.

Miss Lily Chin, president of Niobium in 1973-74, received four honors from the School of Pharmacy: the Lambda Kappa Sigma Outstanding Senior II Award; the Eli Lilly Achievement Award; the Ethel J. Heath Key for LKE members in the top ten percent of the class; and a Certificate of Recognition Award for outstanding service to the student chapter of the American Pharmaceutical Association. Mary Ryan, who is at present receiving her Ph.D. in Chemistry at Oregon State University received both a National Science Foundation Analytical Chemistry Fellowship, and a summer

fellowship from the Analytical Division of the American Chemical Society during her graduate student career. She represented Niobium at the 1978 National Convention.

Between 1980 and 1986 the chapter meetings were mainly centered at Oregon State University. The meetings usually fell into one of several categories. (1) Members gave an informal talk on their current research at a brown-bag lunch meeting. (2) Members toured industries such as Tektronix, the Bureau of Mines and professional schools such as the OSU Veterinary Medicine School and the University of Oregon Health Sciences Center. (3) Business meetings to plan activities and to elect officers were held. (4) Joint meetings with Promethium Chapter, a metropolitan chapter in Portland, were held. (5) An annual introductory dessert was held for prospective members to learn about Iota Sigma Pi and to learn if they wish to join the chapter. (6) Meetings to initiate new members. One of the chief chapter goals is to provide an informal setting for discussing ideas and problems the members encounter in pursuing educational goals and to provide a window to the outside world to see what opportunities are available to members when they leave the university. About 1986 this chapter became dormant and was declared inactive by National Council

1996-2001

On June 3, 1996 National President Martha Thompson reactivated Niobium Chapter. Nineteen persons attended the chapter reactivation, initiation and installation of chapter officers ceremonies! Several past Niobium members were in attendance for the ceremonies. Past National President Clara Storvick, Margie Woodburn, long time Niobium supporter, Chris Pastorek, Clara Shoemaker, and Margie Haak. To add to the excitement Dr. Thompson presented Emily Ray with the 1996 Gladys Anderson Emerson Scholarship. Emily is from OSU. Those attending the Ceremonies on June 3, 1996, included current members - Ann E. Brodie, Margaret Haak, Rebecca Hansing, Christine Pastorek Emily Ray, Clara Shoemaker, Clara S. Storvick, Margy Woodburn; initiates - Engelen Chrsostom, Amy Chu, Tara Lin Couch, Jennifer Field, Susanne Hoheisel, Nazy Khosrovani, R. Ann Kimerling, Wei Kong, Sharon Maley, Carmen Somoza, Bing Bing Wang, Ying Yang; and Guests - Martha Thompson, Gatrielli Leham. New Officers for the reactivated chapter included Chris Pastorek, President and Faculty Liaison; Ying Yang, Vice President; Margie Haak, Secretary & Treasurer. Historian is to be located. The newly reactivated chapter has continued to grow and increased the networking among its members and engaged in new Outreach programs with local industries. The informal monthly brown-bag lunch meetings strengthen this chapter.