

THE CHAPTER ROLL

ORDER & DATE OF INSTALLATION	NAME	INSTITUTION	PLACE
1. 1902	Hydrogen	University of California	Berkeley
2. 1911	Oxygen	University of Washington	Seattle
3. 1912	Nitrogen	University of Nebraska	Lincoln
4. 1913	Carbon	Leland Stanford University	Palo Alto
5. 1914	Sulfur	University of Southern California	Los Angeles
6. 1917	Phosphorus	University of Michigan	Ann Arbor
7. 1918	Tungsten	University of Colorado	Boulder
8. 1918	Iodine	University of Illinois	Urbana
9. 1920	Ytterbium	Yale University	New Haven
10. 1920	Aurum	Iowa State University	Ames
11. 1921	Helium	University of Oklahoma	Norman
12. 1923	Mercury	University of Minnesota	Minneapolis
13. 1923	Radium	University of Cincinnati	Cincinnati
14. 1924	Platinum	University of Denver	Denver
15. 1924	Kalium	University of Kansas	Lawrence
16. 1925	Fluorine	Case Western Reserve University	Cleveland
17. 1926	Iridium	University of Iowa	Iowa City
18. 1930	Indium	Indiana University	Bloomington
19. 1930	Palladium	Pennsylvania State University	University Park
20. 1930	Tellurium	University of Texas	Austin
21. 1937	Polonium	George Washington University	Washington, D.C.
22. 1939	Aurum Iodide	Alumnae	Chicago
23. 1947	Uranium	Texas Woman's University	Denton
24. 1947	Columbium	Columbia University	New York
25. 1949	Chlorine	Louisiana State University	Baton Rouge
26. 1951	Manganese	Hunter College	New York
27. 1960	Niobium	Oregon State University	Corvallis
28. 1963	Plutonium	Purdue University	West Lafayette
29. 1963	Osmium	Ohio State University	Columbus
30. 1965	Vanadium	Fordham University	New York
31. 1966	Neptunium	University of Houston	Houston
32. 1968	Americium	Boston University	Boston
33. 1971	Cobalt	Butler University	Indianapolis
34. 1973	Curium	American University	Washington, D.C.
35. 1974	Ruthenium	Rutgers University	New Brunswick
36. 1978	Samarium	St. Mary College	South Bend
37. 1979	Argentum	Mary Baldwin College	Staunton
38. 1979	Promethium	Metropolitan	Portland
39. 1981	Molybdenum	Northeastern University	Boston
40. 1987	Technetium	University of Rochester	Rochester
41. 1989	Scandium	Clemson University	Columbia
42. 1998	Lanthanum	Metropolitan	Lynchburg
43. 2004	Einsteinium	Metropolitan	Tulsa
44. 2004	Cadmium	Metropolitan	Albany

The History of the Chapters

Americium Thirty-second Chapter 1968-1978



Americium Chapter was installed as the thirty-second chapter of Iota Sigma Pi at Boston University, on May 4, 1968, by Nellie Payne, National Vice-President, who as assisted by Lucille J. Strauss. There were nineteen charter members.

The chapter held several meetings a year with invited speakers giving lectures, one of whom was Dr. Donald Thureault of the Army Research Institute for Environmental Medicine. The chapter has a job-file for undergraduates and graduate students. The first faculty sponsor was Dr. Marian Lowe of Boston University.

Argentum Thirty-sixth Chapter 1979-2001



During the winter of 1976, a woman faculty member at Mary Baldwin College read a description of the objectives of Iota Sigma Pi and contacted the chemistry majors regarding the establishment of a chapter. Encouraged by their interest, she wrote for further information. Dr. Nina Roscher, National Vice President, responded and advised the group at Mary Baldwin on the necessary procedures for the establishment of a chapter. To facilitate approval, four faculty, three from MBC and one from James Madison University, including the person who had the initial interest, were initiated into the Curium Chapter (Washington, DC). They also learned that four at-large members were in the geographical region.

A petition was then drawn up. The geographical area was defined as the Shenandoah Valley and included colleges and universities from James Madison University in the north to Virginia Polytechnic Institute and State University in the south. The eight women chemists from academe and industry who were already members, as well as four eligible undergraduate students, were invited to join as charter members and to submit a choice of name for the chapter. Argentum was the

name chosen, and on April 7, 1979, the thirty-sixth chapter of Iota Sigma Pi was installed as a Metropolitan Chapter. Performing the installation were Mrs. Marilyn Lucas, National Vice President of Iota Sigma Pi, and Dr. Nina Roscher, Dean of Graduate Studies and Research at American University, Washington, D.C., and past National Vice President of Iota Sigma Pi.

Following the chapter ceremony, the Argentum chapter initiated seventeen students, including the four designated as charter members. These students came from Virginia Polytechnic Institute and State University, James Madison University, and Mary Baldwin College.. The featured speaker for the event was Dr. Barbara Bohmfalk, senior research chemist at the E. I. duPont de Nemours Co., Inc., plant in Waynesboro, a charter member who transferred to Argentum from the Tungsten Chapter into which she had been initiated in 1951.

The Shenandoah Valley is quite a large geographical area, covering much of Virginia, west of the Blue Ridge Mountains, and its member institutions are separated by more than one hundred miles. The number of activities is limited because of the great distance that members must travel to attend an event.

Most of the active members are from four main colleges and universities, or high schools located within the coverage area of the chapter. The chapter provides encouragement to students, in their pursuit of excellence in chemistry, as well as fostering fellowship among women chemists. They initiate both students and faculty into membership. However, most of the new members are seniors who leave the area to pursue further study.

The yearly activities include a fall picnic, held shortly after the opening of the academic year, and a formal spring meeting for the annual initiation. At the spring meeting, there is a guest speaker, a luncheon, and the yearly business meeting. This meeting schedule evolved over several years. Initially the chapter held only the formal spring meeting, and it was at a restaurant on a Saturday early in April. As prices rose, it was rotated among the campuses, and then moved to a Sunday. Early in the 1980s the chapter met in October for a picnic at a wayside near Natural Bridge and then for several years at Glen Maury Park in Buena Vista. The absence of protection from rain caused the chapter to occasionally have to cancel on short notice and a search for a more suitable facility was conducted. The Pavilion facility of Virginia Military Institute was made available to the chapter in about 1993. Since that time the chapter has held the picnic rain or shine. Although the chapters activities are limited, it

*Did the Iota Sigma Pi
award shape or affect
your confidence in
chemistry?*

*Absolutely!!!! I was
very insecure about
my ability to succeed
in Chemistry (or college
in general). Being
selected was a huge
surprise and it gave me
the confidence I needed
to continue.*

Gidget Cantrel Ternet

Senior member Technical
Staff, Space Materials
Laboratory
The Aerospace
Corporation

What the demographics tell us is that our traditional pools from which we have drawn our scientists and engineers are lessening in the population and the non-traditional pools from whence we must draw our future scientists and engineers are growing.

Norine E. Noonan

EPA Assistant
Administration
Office of Research and
Development

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fulfills a unique function in the Valley. Most of the institutions are undergraduate and there is little interaction among the schools. The Argentum Chapter fulfills this need among female chemistry and biology majors. In 1992 Argentum member, Kristin McLain, received an MAL scholarship and in 1996 the chapter nominated Dr. Lydia Vallarino, a long-time supporter of the chapter, for the National Honorary Member, which she received. Kristin's award was presented at the fall picnic and Dr. Valarino's award was presented at the triennial convention.

Each January, faculty advisors at the members' institutions identify eligible students who are then invited to join. Regular members also recruit new members from among the new female faculty at their respective institutions. Members are also actively sought from the woman faculty at the high schools in this region. Retention activities are not so defined, especially since most of the initiates leave the area within a year or two of their initiation.

Since the chapter was chartered, eleven professional members and 287 student members have been initiated. The students are fairly evenly distributed between juniors and seniors. The professional members have included college faculty, high school faculty and industrial chemists.

This chapter has struggled with the problem of having a small core of permanent members. Approximately half the members leave each year to go on to graduate school or employment in other geographic areas. For many the only contact with Iota Sigma Pi is the spring banquet they are initiated, but they drop their membership in Iota Sigma Pi within two years. In 2001 this chapter plans to try a new approach - holding the initiation banquet in the fall and the picnic in the spring. This change is to increase bonding and participation.

At the time of installation, the officers of Argentum Chapter were

President: Dr. Elizabeth Hairfield
Vice-President: Dr. Donna S. Amenta
Treasurer: Dr. Beth Bartschmid
Secretary-Historian: Bonnie Gordon

Aurum Tenth Chapter 1919-2001



The women instructors and assistants in the Chemistry department of Iowa State University, Ames, met for the purpose of organization on

October 8, 1919. They decided to form a professional society which would include all senior women specializing in chemistry and whose average in chemistry was 85 or above, and to petition the national Iota Sigma Pi for admission as the Aurum chapter. In the year following, meetings were held twice a month. At one of the April meetings, 1920, Iota Pi Omega was chosen as the name of the local organization. However, word from the national society was received late in May that a charter was granted. Accordingly Aurum chapter of Iota Sigma Pi was installed June 1, 1920, by Margaret Perry of Iodine and Ruth O'Brien of Nitrogen.

The charter members were

Martha George Barr
Nellie May Naylor
Lenore Dunnigan
Mercedes M. Peters, vice president
Martha Belle Farnum
Martha Hellena Philp
Ida Mary Hood
Ruth Cessna, president
Gladys May Hultz
Mary Louise Price, secretary-treasurer
Jeannette Knapp
Lillian Boynton Storms
Carrie Elinor Lake
Helen Trexel
Frances M. Morrison
Enid Watts Yeager

Aurum was hostess to the third national convention in June 1924. P. Mabel Nelson (Ytterbium) had joined Aurum chapter and in her capacity as national secretary did much for the success of the convention. Ida May Shilling was appointed national treasurer in place of Elizabeth Gates, who had been elected at the fourth convention in Cleveland, but later resigned. P. Mabel Nelson was national Vice President 1924-1927 and Nellie M. Naylor from 1939-1945. H. Marjorie Crawford, also a member of Aurum, was national secretary from 1942-1945. Nellie Naylor was national treasurer from 1948-1951 and was coordinator of regional directors from 1951 to 1963.

At the tenth triennial convention, Charlotte Roderuck received the first Iota Sigma Pi research award for her outstanding work in the nutritional status of children and adult women. Since Dr. Roderuck was initiated at Iridium and transferred to Aurum, both chapters shared in the honor conferred on her.

The record shows that Aurum initiated 376 members as of June 1961. In 1932 Emma Perry Carr became an honorary member of Aurum chapter and in 1945 she became the sixth national honorary member.

The meetings of Aurum chapter have been concerned with business matters, program meetings and annual social meetings. Programs

have included educational moving pictures, open meetings at which a lecturer was presented, and research discussions by staff members and graduate students. Aurum and Iridium have had occasional joint meetings. In the fall, Aurum and the local chapter of Sigma Delta Epsilon usually sponsor a picnic to interest newly eligible students in these two organizations. In the spring the major interest is the election of new members and of officers for the year to follow. Until 1950, the initiation service was sometimes held at a breakfast at the home of one of the patronesses. Since 1950, Aurum's initiation has often been held in the seminar room of the Atomic Institute Building.

Aurum sponsored a collection of scientific books which were sent overseas to help depleted university libraries. The Nellie M. Naylor award established in 1961, is given to the sophomore woman student specializing in chemistry who has the best grade point average, or to the most outstanding woman. Alice Peterson received the first award. Other recipients have been Paula Ann McRoberts, Janice Eileen Huck, Lois Dunkerton, Susan Seidel, Nancy Eickman, Kimberly Tremble, Emily Chen, and Mary Seybold.

A regional convention was held on May 2 and 3, 1952, at Ames, in honor of the fiftieth anniversary of Iota Sigma Pi. It was called by Nellie M. Naylor, regional director for section 3.

Patronesses of Aurum have been Mrs. J.A. Wilkinson, Mrs. Henry Gilman, Mrs. R.M. Hixon, Mrs. Frank Spedding, and Mrs. Charles H. Goetz.

Some of the catalysts have been

Lois Dale	June Lomnes
Ethelwyn B. Wilcox	Onnolee Trapp
Flora Hanning	Ursula Mai
Ruth Tevebaugh	Evelyn Cox
Gladys Everson	Margaret Melchior
Gladys Meads	Norma Refle
Elfriede Brown	Joanne Richards
Hilda Sarver	Elaine Long
Frances Carlin	Katie Einck
Charlotte Roderuck	Jane Schmidt
Florence Metz	Jacqueline Sunboom
Evelyn Weber	Jane Finan
Carol Hollingworth	Anne Scheck
Mary Purchase	Jackie Applegate
Carol Simmons	Colleen Fried
Cyndy Kelchener	Jennifer Harnisch
Linda Siemsen	Kathryn Thomasson
Sara Huckett	Laurie Ann Cardoza
Jamie M. Rintelman	Heather M. Netzloff

Faculty sponsors have been Nellie Naylor, Charlotte Ruderuck, Virginia Lucie, Pilar Garcia, Charles J. V. Scanio, Ruth Wildman, Jeanine Carthers, Yola Forbes, Eugenia Farr, and Kathleen Trahanovsky.

Two members visited India in conjunction with a continuing exchange program between Iowa State University and Baroda University, India. The exchange was organized to assist Baroda in establishing a graduate and research program. Dr. Ercel Eppright visited Baroda in 1963 and 1967. Dr. Charlotte Roderuck spent two years 1964-66 as visiting professor, supervising nutritional and biochemical research.

Many members of Aurum have received recognition throughout the years. In 1965, Alice Awtrey Fay began teaching chemistry at Cuttington College, Liberia, and then taught at the University of the West Indies, Trinidad, from 1968-73. Mary Catherine Smith was appointed an Associate Scientist at the Phillip Morris Research Center, Richmond, Virginia. In 1968 Mary Alice Kinney was a participant in the third annual Biospace Workshop, sponsored by NASA at Wallops Station, Virginia. Dr. Helen Clark received the 1972 Helen Schleman Award at Purdue University for her work in protein and amino acid requirements in adults and in metabolism of amino acids. Also in 1972, Dr. Cecile Hoover Edwards received the Alumni Achievement Award from Iowa State University for her research in nutrition. Dr. Charlotte Roderuck gave the commencement address at Iowa State University in the fall of 1973. In addition to being a professor in Food and Nutrition, Dr. Roderuck is Associate Dean of the College of Home Economics and Assistant Director of the Iowa Agriculture and Home Economics Experiment Station. She has served as Assistant Dean of the Graduate College. In 1972 she was the recipient of the Mary B. Welch Distinguished Professor of Home Economics Award. Dr. Nellie Naylor, distinguished former member of Aurum and now a member-at-large, continues to served as Regional Director for many years. Lottie Arnrich served as National Editor 1967-69. Several alumnae of this chapter have held National Office in Iota Sigma Pi. Beverly Schaad served as National Treasurer from 1975-1981. Kathryn Thomasson served as Coordinator of Members at Large from 1999-2002.

Aurum Chapter serves as a valuable networking opportunity for women in the sciences at Iowa State University. Networking is facilitated in this chapter with food, conversation, fund raising and speakers. The chapter has recently begun a project of outreach to local elementary or junior high students. These activities include both demonstrations and hands-on activities for the students. These activities help the students involved learn more about chemistry.

The Archives of Women in Science and Engineering is preserved by the Library on the Iowa State University campus in Ames. In 1992 the chapter was saddened by the death of long time charter member Dr. Nellie Naylor. Dr. Naylor was over 102 years old when she died.

*It's up to you to take
charge of your
own career.
Actively seek out mentors,
ask a lot of questions,
keep your eyes open, and
forge your own path.*

Ann Weber

Senior Director of
Medicinal Chemistry
Merck Research
Laboratories
Rahway NJ

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*I enjoy seeing the spark
in the eyes of young
people who are getting
excited about chemistry
and about science, I
think it's a good mission.*

Ahmed H. Zewail

Professor of Chemistry
and Physics
California Institute of
Technology
Nobel Prize 2000

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Aurum Iodide Twenty-second Chapter First Alumnae Chapter

1936-2001



On October 10, 1936, ten Iota Sigma Pi members met at the home of Martha Belle Farnum in Chicago to organize an alumnae group. Although a charter was not received from the National Council until 1939, regular meetings were held in the interim. The name, Aurum Iodide, was chosen because the two most frequently represented chapters were Aurum and Iodine. Charter members were

Katherine Graham	Gladys Eckfeldt
Prudence Van Arsdell	Marie Puumala
Martha Belle Farnum	Estelle Hausman
Mildred Barr	Laura Pratt
Helma Keil	Edith Wilson
Bernice Danielson	Grace Spencer
Minerva Morse	

The first officers were Laura Pratt, Edith Wilson, and Grace Spencer. The first initiates, five in number, were chosen in July 1940. High standards for the selection of members have been consistently maintained throughout the chapter's years of existence.

Aurum Iodide's chief aim has been to carry out the purposes of Iota Sigma Pi. An alumna chapter is particularly well adapted to "foster mutual advancement in academic, business and social life," and to "stimulate personal accomplishment in chemical fields." Aurum Iodide, through its members, maintains a loose affiliation with the American Chemical Society and other scientific organizations. Two teas, to which many women chemists of the Chicago area are invited, have drawn favorable comments and record attendance. When the American Chemical Society meets in Chicago, Aurum Iodide is on hand for the Iota Sigma Pi gathering. In 1991 Aurum Iodide Chapter sponsored a pizza party for members from Chicago and out of town.

Conditions which make the existence of a non-campus chapter precarious lend variety to the programs. The lack of a central meeting place has led the members to many interesting restaurants. "Know Your Chicago" is a by-product of annual tours and field trips. During the war, Aurum Iodide centered its activities around the war effort with particular emphasis of the role of women in the defense program.

Aurum Iodide has taken an active part in the national affairs of Iota Sigma Pi. Several active members and former members of Aurum Iodide

have served as national officers. Grace G. Spencer was National Treasurer from 1939 to 1942, Elizabeth M. Koch from 1942 to 1948, Elizabeth Osman was Secretary from 1957 to 1960, Hoylande D. Young Failey served as National President from 1957 to 1963, Nellie Payne served as National Vice President from 1966 to 1972, and Gladys Eckfeldt served as Membership Chairman from 1972 to 1975. Anne T. Sherren served as National Director from 1972 to 1978 and National President from 1978 to 1981 and National Historian from 1989 to 2002. Frances Seabright served as National Secretary from 1978 to 1981. Linda Brazdil served as Immediate Past National President from 1999 to 2002. From 1984 until 1999 the National Membership Chair (Records Chair) was held by Aurum Iodide Members: Priscilla Walling (1984-1987), Shannon Brown (1987-1993), Sister Frances Creen (1993-1999). Shannon Brown served as Supplies Coordinator from 1997-1999, and Marianna Jackson served as National Editor from 2002 to 2003.

Aurum Iodide has worked to clarify and advance the position of the alumnae chapters in the structure of the national organization. In 1968 the alumnae chapter Aurum Iodide changed its status from an alumnae to a metropolitan chapter. Membership has grown slowly but steadily, increasing by eighty percent. Members have been active in many scientific societies either by holding office or by giving papers.

Almost every member of Aurum Iodide has been active in the local American Chemical Society with special mention to Harriet Bible, Adele Rosak, Elaine Anderson, Marijo Doody, Gladys Eckfeldt, Jeanette Kerbaugh, Kathryn McHugh, Jewel Nicholls, Cecilia Paluch, Nellie Payne, Frances Seabright, Toni Spinelli, Lillian Churchill, Marilyn Kouba, and Sharon Northrup, all of whom have headed committees or held office between 1965-1980. Jeanette Kerbaugh, Hoylande Young Failey, Lucille Crissey Adele Rosak, and Frances Seabright were honored as Fifty-Year Members by the American Chemical Society. Both Elaine Anderson (1987) and Marilyn Kouba (1998) received the distinguished Service Award from the Chicago Section of the ACS.

M. Bertha Brandt, Dr. Mary Jean Oestmann, and Adele Rosak contributed material to the published word. M. Bertha Brandt was in the field of nutrition, Mary Jane Oestmann on "Sodium Technology", and Adele Rosak, co-author of "Infrared Spectra and Characteristic Frequencies in 700-300 cm^{-1} Region."

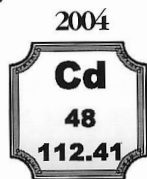
The Illinois Institute of the American Institute of Chemists honored two Aurum Iodide members with is Honor Scroll. Hoyland Young Failey in 1963 and Anne Sherren in 1984. Lucile Hac received the Senior Citizens Hall of Fame Award from the City of Chicago in 1986. Past and present officers have worked hard to

present programs of interest to members by obtaining speakers from many scientific and cultural disciplines, and have encouraged members to give talks on their current work or outside interests. Aurum Iodide is an active metropolitan chapter and is working to continue to help women in chemistry. Meetings cover a wide variety of subjects and are held in suburban areas as well as in the center of Chicago. An innovation in 1979, the fortieth anniversary, was a very successful all day meeting on October 13, held in South Bend, Indiana, and conducted jointly by Aurum Iodide and members of the other chapters in Indiana. The joint meetings with Samarium chapter continued on an annual basis until 1984. The site rotated between Illinois and Indiana. Aurum Iodide was hostess for the Nineteenth Triennial Convention in Chicago in 1978 and the Twenty-third Triennial Convention in Chicago 1990.

Some chapter members started judging regional science fairs in the Fall of 1984. In an effort to encourage participation of young women in science the female preparing the top project for each fair receives a Savings Bond and a Certificate. After the death of chapter member Hoyland Young Failey the award was named the Hoyland Young Failey Award. Hoyland was one of the first chapter initiates.

Aurum Iodide Chapter members have nominated a number of women students for Iota Sigma Pi Awards. Recipients have been Heather Ann Carlson - Gladys Anderson Emerson Scholarship in 1990; Carol Jean Mertz - Anna Louise Hoffman Award for Graduate Research in 1990; Kalyani Banerjee - MAL Educational Re-entry Award in 1992; Veronika Gagovic - Gladys Anderson Emerson Scholarship in 2000; and Jovana Grbic - Gladys Anderson Emerson Scholarship in 2001.

Cadmium Forty-fourth Chapter



On May 20, 2004 Cadmium chapter was installed at Union College in Schenectady, New York as a metropolitan chapter drawing members from the Capital District area of New York. This district includes Albany, Troy and Schenectady. Cadmium was chosen as the symbol because the letters "Cd" represent the Capital District area. The chapter was installed by Julie Teetsov, National Vice-President and Susan Marine, Immediate Past National President. Sara Paisner is serving as the first chapter president.

Charter members included

Janet S. Anderson	Emma E. Bendana
Mary K. Carroll	Moriyina Cole

Neema P. Douglas
Marianne E. Harmon
Joanne D. Kehlbeck*
Mary A. Krenczeski
Antoaneta P. Krushevskia
Shira G. Mandel
Thomasin C. Miller*
Omayra L. Padilla de Jesus
Abigail K. Roberts
Jennifer K. Redline
Cheryl M. Surman
Sarah-Jo Stimpson

*ISP, member-at-large

The first officers included

President: Sara N. Paisner, Ph.D

Vice-President: Thomasin C. Miller, Ph.D

Treasurer: Jamie Y. Mak

Outreach Coordinator: Marianne E. Harmon, Ph.D

Professional Development: Q. Catherine Ye, Ph.D

Professional Development: Neema P. Douglas

Social Events Coordinator: Jessica P. Grondin

Rituals Coordinator: June A. Klimash, Ph.D

Web-master: Sharon Oba, M.S.

Jessica P. Grondin
Susan E. Hayes
June A. Klimash*
Maria R. LaTorre
Jamie Y. Mak
Sharon Oba
Sara N. Paisner*
Amy L. Payeur
Tian Tian
Q. Catherine Ye
Julie Teetsov*
Ying Zhou

*Success is having a sense
of satisfaction with one's
life. It is achieving both
the easily defined goals
and the broader ones
while maintaining your
internal standard.
Success is also accepting
and learning from your
mistakes and moving on.*

Marion Thurnauer

Carbon Fourth Chapter 1913-2001



On September 12, 1913, a group of women students in chemistry at Leland Stanford University, headed by Marjorie Foster, petitioned Alchemia, a local society for women in chemistry at the University of California, for a charter for the Beta chapter of that organization. On September 20, 1913, several members of the California chapter took part in the installation of this chapter at the home of Professor J.M. Stillman in Palo Alto. The charter members were

President : Marjorie Foster

Secretary: Bernice Jameson

Treasurer: Hazel White

Louissette Aubert

Ruth Oppenheimer

Ruth Seeley

Helen Golier

There is some doubt as to whether Ruth Oppenheimer and Louissette Aubert may not have been initiated at a later date. Of the charter members named above, Marjorie Foster, Hazel White and Helen Golier are now deceased. Mrs. J.W. Stillman, Mrs. E.C. Franklin, Mrs. R.E. Swain, and Miss Alice Berger, were immediately elected honorary members. The three former were wives of prominent professors of chemistry in Stanford University and Miss Berger was an instructor in the department. In April 1916, when the consolidation with Iota Sigma Pi took place,

We have to communicate. It is the responsibility of every scientist. We scientists are citizens of this world, and we have been isolated.

Rita R. Colwell

National Science
Foundation Director

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this society became Carbon chapter of Iota Sigma Pi. It may be of interest to note that in the official ranking of scholarship of organizations announced by the Stanford registrar in 1920, Iota Sigma Pi was second only to Phi Beta Kappa and that Iota Sigma Pi has consistently maintained this position near the head of the list.

Carbon chapter's chief activity during the early years was a social one, to bring together more frequently women students in chemistry and allied sciences. The bi-weekly luncheons provided by the chapter for all members were particularly successful in this endeavor. These were held in an attractive clubroom in the Chemistry building maintained by Iota Sigma Pi, which was very convenient for all women students. In former years, open meetings were held at which members gave accounts of their research, but these were discontinued because of the many other weekly conferences and seminars in chemistry; however, the chapter, in conjunction with the faculty, served tea at the weekly seminar.

One of the outstanding events in the history of Carbon chapter was the term of Evelyn L. McBain as national president of Iota Sigma Pi during the years 1939 to 1945. In spite of the difficulties of the war years, she visited all of the chapters and contributed greatly to the growth and progress of the national organization. To Stanford members, Mrs. McBain's vigorous and enthusiastic leadership in the activities of Carbon chapter itself were a special source of inspiration. She consistently "promoted interest in chemistry among women students" both through her own enthusiasm for science and through the warmth and friendliness of her personality.

Carbon missed Mrs. McBain when she left in 1949 for Poona, India, where her husband, Dr. James W. McBain directed the National Chemical Laboratory for a three-year period. After her departure, Carbon was fortunate to have the guidance of Carol Mosher, faculty adviser, Mildred Hall, historian, and Edna Boulware, "ex-officio adviser." Their services to Iota were invaluable to the success and progress of Carbon chapter.

In 1942, Carbon was co-hostess to the Pacific Coast chapters at the first regional conference held at Berkeley and Palo Alto. The Symposium on Opportunities for Women Chemists and the report of the survey of women in chemistry by Laveria Hill were highlights of the meeting.

In 1952, the same four chapters met again, with Carbon and Hydrogen co-hostess, and heard an inspiring program of research papers and enjoyed a banquet in honor of the charter members of the fifty-year-old society. Marjorie Young Vold, the winner of the Pacific Coast Research Award on that occasion, was at one time a member of Carbon.

The freshman tea is given in the fall of each year for freshman girls and chemistry department faculty. Pledging and initiation of new members occur early in the winter. The spring Hydrocarbon luncheon is one of the highlights of the year. Hydrogen and Carbon chapters alternate in entertaining each other. Frequently a luncheon is given by Carbon or Hydrogen for the members of the other chapter just preceding the Big Game. Toward the end of the spring quarter Iota Sigma Pi presents a cup and a ten dollar bill to the girl who has the highest grade average in her freshman chemistry courses. Finally, one of the most informal and most pleasant events of the year is the annual spring or summer picnic which Iota Sigma Pi holds or sponsors in conjunction with Alpha Chi Sigma and Phi Lambda Upsilon.

Some of the catalysts have been

Dorothy Brown	Jean Dimmick
Constance Probert	Janet Hale
Marjorie Pratt	Charlotte Green
Mary Hunter Owens	Mrs. E. L. Abers
Margaret L. Turner	Jeanne Marie Bergheim
Edna Broadben	Hyla Cook
Nydia Goetz Luthy	Noreen Tingey
Carol W. Mosher	Loraine Winslow
Anadel Smith Brown	Lois Durham
Elizabeth Hines	Judy Wharton
Winona Woon	Helen F. Gram
Dorothy Manning	Anna Longwell
Nancy J. Cross	Helen Mosher

The Eleventh Triennial Convention was held on the Stanford Campus with members of Carbon and Hydrogen chapters as co-hostesses. Carbon was particularly happy to welcome the thirty-two delegates to the Farm, where they resided in Lagunita Hall. The chapter was especially pleased that one of its own members, Donna Cosulich, was chosen as the 1954 recipient of the Research Award. She flew from American Cyanamid, New York, to give her award address.

The business of the Convention is reported elsewhere but the local excursions should be mentioned. They were to the **Sunset Magazine** offices and gardens, the Stanford Research Institute and a picnic in Memorial Park.

Early in 1955 Leona Bayer, a Carbon alumna, gave the group an inspiring talk on the World Health Organization. In April that year during the meetings of the Federation of American Societies for Experimental Biology in San Francisco, Carbon joined Hydrogen in a breakfast instead of the traditional spring luncheon. This became a national gathering because there were present several dozen members from chapters all over the country.

Carbon members were active also at the American Chemical Society spring meeting in San Francisco in April 1959, serving on the planning committees and as hostesses at Hospitality Headquarters.

Carbon shared the honors with Hydrogen in that Marjorie Vold was the speaker at the Women Chemists' luncheon that week.

The chapter has been less active during recent years because of the smaller number of women in the chemistry departments. However, the chemistry department was expanded considerably in 1961 with the completion of the new Stauffer laboratory and a renewal of Iota activity was anticipated.

Chlorine Twenty-fifth Chapter 1949-2001



In 1942, a group of women students in chemistry at Louisiana State University, Baton Rouge, formed a professional chemistry society for women and chose the name Chi Lambda. In 1946, Dr. Pauline Beery Meck, national president of Iota Sigma Pi, visited the group and suggested that they consider petitioning for a charter. Three years later a petition was submitted by twelve eligible charter petitioners, sponsored by Palladium chapter. Of the twelve charter members, two were juniors, three seniors, four graduate students, and two faculty members. Virginia R. Williams was faculty sponsor and a charter member.

The national council and the chapters approved the petition unanimously as reported by the national secretary on May 22, 1949. On June 4, 1949, National President, Essie White Cohn, installed the chapter. The first chapter president was Betty Lou Kirk, and the second Sharey Ethridge. Virginia Williams served as faculty advisor.

Some of the early catalysts (Presidents) have been

Mary Sue Hanlon	Eleanor Elder
Mary L. Good	Margaret McLemore
Magdalene Usatigui	Brenda McKay

Chlorine chapter has been represented at each national convention since its founding. Delegates and years were

1951	Paula Sue Richardson
1954	Virginia R. Williams
1956	Virginia R. Williams, national secretary
1960	Eleanor Elder
1963	Helen E. Levy
1966	Elizabeth Henderson
1969	Ellen D. Oliver
1972	Mary Good
1975	Betty Jean Dowty
1978	Ella Kelly
1981	June Kilmish
1984	Linda Munchausen

Stanford University



L to R. Ruth Oppenheimer, Louissetta Aubert, Majorie Foster, Elizabeth Judah, Carol Jameson, Fannie Hadden, Hazel White

1987	Virtle T. Jones
1990	Joanne Wolcott
1993	Archie Moore
1996	Sharon Vercellotti, Chlorine Chapter hosted convention
1999	Janet R. Clark
1999	Sharon Vercellotti
2002	Janet Clark, National Secretary
2002	Sharon Vercellotti, National Editor
2002	Nancy Hopkins

In the late 1960's the Chapter was still based at LSU, but Ruth Benerito and Mary Good from New Orleans sometimes attended. Two initiations a year were held at Asphodel Plantation, named for the daffodil, the flower of Iota Sigma Pi, and located north of Baton Rouge. The chapter presented a slide rule to the freshman woman who made the highest grade on a competitive chemistry examination. In 1971, the slide rule award was replaced with the Dr. Virginia Rice Williams Memorial Award in honor of the late Virginia Williams, who was actively involved with Iota Sigma Pi both at national and local levels until her death in 1970. She served as faculty advisor at LSU and permanent national historian until her death. This award was presented to the senior woman undergraduate with the highest grade point average. She also received an engraved copy of the Merck Index.

The chapter expanded in the mid-1970's to include Southern University, Baton Rouge, and University of New Orleans. Celestine Tillman was faculty advisor from Southern and Mary Good was faculty advisor from UNO. Each school was

By the 1960s, no more than 3% of the scientists and engineers in the National Aeronautic & Space Administration's huge Apollo project were women.

Ruth Lewin Sime

Professor of Chemistry
Sacramento City College
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Chemical & Engineering News

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represented by at least one chapter officer. In the late 1970's Mary Good moved from UNO to LSU and became faculty advisor there.

In the early 1980's, Mary Good left LSU and interest in the chapter declined. By the late 80's Celestine Tillman retired from Southern University and membership declined there as well. The chapter was composed of a few members mostly from LSU and Southeastern Louisiana University in Hammond. Joanne Wolcott and Linda Munchausen were diligent in maintaining the chapter. At this time the Virginia Williams Memorial Award was replaced with the State Science Fair Award since there were more student members from three different universities and the chapter could not afford three separate awards. It was decided to award a female student for her outstanding chemistry project at the State Science Fair. During this time the chapter also tried, but without much success, to attract women from the nearby industries.

In 1990, Beth Andrews received the Professional Excellence Award. Beth became an active member in the chapter and brought in new members from USDA Southern Regional Research Center in New Orleans. Beth's Professional Excellence Award money was used to establish the trust fund for the Chlorine chapter awards; the chapter started giving an award at the New Orleans Regional Science Fair in addition to an award for the State Science Fair. Gillian Eggleston donated her honorarium for a book chapter to the fund in 1997, as well. In 1994, the Chlorine chapter received the bid for the 1996 Triennial Convention. The chapter experienced a dramatic growth in the New Orleans area due to the planning for the convention.

In the late 1990's, the chapter had grown to a strong and diverse chapter. Professional as well as student members have been affiliated with academic institutions such as LSU, Southern University, Tulane University, Xavier University, and Southeastern Louisiana University in Hammond. Other professional members have been from government labs, industry and small chemical businesses as well. The geographic area spanned by the chapter includes Baton Rouge, Hammond and New Orleans, with meetings rotating between the sites. Two science fair awards and two initiations have been held each year. Meetings include speakers, tours of nearby industries and numerous outreach projects with the Louisiana Children's Museum in New Orleans, The Louisiana Arts & Science Center in Baton Rouge and teacher in-service workshops. The chapter received a mini-grant from ISP to help with Super Science Saturday in March 1998 and two Exxon Volunteer Involvement grants for the Teacher Workshops in 1997. During the 1999 Triennial

Convention, the Chlorine Chapter was awarded Outstanding Chapter representing its growth and success.

Numerous honors and awards have been bestowed on Chlorine members including two American Chemical Society Garvan Medalists, Dr. Ruth R. Benerito, 1970, and Dr. Mary L. Good, 1973. Dr. Benerito, Head of the Physical Chemistry Division, Cotton Chemical Reactions Laboratory of USDA in New Orleans, and Adjunct Associate Professor of Physical Chemistry at Tulane Medical School, was also presented the American Chemical Society (ACS) Southwest Regional Award in 1972 for her excellence in teaching and research. She was elected to Honorary Membership in Iota Sigma Pi in 1975. Dr. Mary L. Good, professor of Chemistry at the University of New Orleans, received the Agnes Fay Morgan Award in 1969, Honorary Membership in 1983, and served as Region 4 Director for Iota Sigma Pi in 1974. In addition, Dr. Good was the first woman elected to the ACS Board of Directors; she also served as Chair of the Board, 1978-80, and ACS President in 1987. She was the first woman named to the Board of the Oak Ridge Associated Universities and the Chemistry Advisory Panel of the NSF. Beth Andrews received the Professional Excellence Award in 1990, as well as lifetime membership into Iota Sigma Pi. In 1992, she received the American Association of Textile Chemists Olney Medal, an international career award for outstanding achievement in the field of textile and polymer chemistry. She also has been awarded the New Orleans Federal Executive Board Distinguished Service Award in the Scientific and Medical Category (1983), the Cotton Foundation/Miles Cotton Research Recognition Award (1991), the USDA/ARS Technology Transfer Award (1996), and she has served as Chair for the International Standards Organization Committee on Textiles TC38/SC2 from 1996-1998. In 1999 Sharon V. Vercellotti, President of V-LABS, INC., received the Award for Professional Excellence. She has served as Chair Elect (2000-1) and Secretary (1996-99) of the ACS Division of Small Chemical Businesses, a Member of National Science Foundation's (NSF) Industrial Innovation Interface Advisory Committee (1989-1994), Louisiana President of the American Association of University Women (1999-2000), and Vice President of the Board of Directors of the Louisiana Alliance for Biotechnology (1997-2001).

Other Chlorine chapter award winners include the following: Undergraduate Award for Excellence in Chemistry, Carmen Wheelock, in 1988; the Gladys Anderson Emerson Scholarship to Jean Huang (first ever) in 1987, and the Anna Louise Hoffman Award for Graduate Research to Olivia Salinovich Martin in 1985.

Several members have also served as members of National Council. Virginia Williams was National Secretary in 1956 and Historian in 1970, Linda

Munchausen, National Jr. Director, 1984-1987, National Sr. Director, 1988-1990, and National Vice-President, 1990-1993, Sharon Vercellotti, Editor, 1997-2002, Janet Clark, National Secretary 1999-2005.

Cobalt Thirty-third Chapter 1971-2001



The Cobalt Chapter was installed on May 7, 1971, as a metropolitan chapter of Iota Sigma Pi. The chapter owes the choice of its name to Dr. Josephine Van Fleet, Indium, who suggested that such a potentially "active" group should be likened to the radioactive element Cobalt. Ten newly initiated members along with eight members who transferred from other chapters, signed the Charter. Dr. Nellie Payne, National Vice President of Iota Sigma Pi, presided at both ceremonies. The Cobalt Chapter is located in Indianapolis, Indiana. The chapter currently consists of 40 members. The diversity of the membership is composed of students and professors from local colleges (Butler University, Marian College, IUPUI, and IU School of Medicine), professional chemists from Eli Lilly and Company and Dow Chemical Company, and those who retain an interest in chemistry even though they no longer work in the field.

Since its installation, Cobalt has initiated about ten to fifteen members each year. The Chapter has several meetings a year. Topics of general interest are planned, such as a winery tour, lectures on forensic medicine and the chemistry of cosmetics formulation, or a visit to the Art Museum to hear how works of art are preserved and maintained. An initiation tea, given each spring for new members, has been held at local historical sites such as the Morris-Butler House Museum and Marian College's Allison Mansion.

In the past twenty years the chapter has struggled with active participation due to the numerous church, civic and family activities in which members are involved. Due to this low activity level, participation has recently been working on mentoring opportunities between Butler University students, professors and professional chemists from Eli Lilly. The chapter currently has three to four activities that it plans each year with the hope of expanding the membership and participation to the rest of the chemistry community. During the past 20 years the chapter activities have been quite diverse. In addition to initiations of new members, the programs have included joint meetings with both the local Chapters of the American Chemical Society (ACS) and the American Women in Science (AWIS);

various guest speakers whose topics of discussion ranged from medical research to life in outer space; and tours of Allison Mansion, Butler University Observatory, Eli Lilly and Company. This chapter has awarded Savings bonds to high school students for science fair presentation and journal subscription to the Journal of Chemical Education to the high school teacher sponsoring the science fair presentation. The chapter has a Team for Race for the Cure – National Breast Cancer Awareness Walk/Run.

This chapter participates in National Chemistry Week with a table at the Indianapolis Children's Museum to bring local awareness of Iota Sigma Pi; and the presentation of an award to the high school team with the most female representation at the 8th Annual High School Chemistry Demonstration Contest during National Chemistry Week. Donations include an award presentation to Butler University's Chemistry Department for the use of Gallahue Hall for its student equipment and donations to project SEED, an organization that promotes interest in science to area high school students.

The Chapter has organized a "telephone team" as a means to contact members for meeting reminders and information collection. A chapter directory has been distributed to each member, listing home and business addresses and telephone numbers for each of the members.

A charter member of the Cobalt Chapter, Sister Mary Rose Stockton, was elected permanent National Historian of Iota Sigma Pi at the national convention held at the University of Cincinnati in June 1972. Sister Mary Rose served as National Historian until 1989. From 1981 until 1989 she also served as National Supplies Coordinator. Sister Jean Gabriel Jones served as National Treasurer from 1981 until 1987. The Cobalt Chapter has been represented at almost all of the national conventions since it was installed. Delegates and years were

1972	Sister Mary Rose Stockton
1975	Carolyn Patterson
1978	Sister Jean Gabriel Jones
1981	Judy Gibbens
1984	Rebecca De La Rosa
1987	Sara Bell
1990	Sara Bell
1993	Sara Bell
1996	No representation
1999	Stacey O'Reilly
2002	Vicki Thompson

Numerous awards have been bestowed on a former Cobalt Chapter member, Gladys Good, who is now a member at large. She won a Presidential Award for Science and Education (1989), the Distinguished Alumnus Award from Butler University (1992) and the ACS Award for the Indiana Sectional Service (1992). The current chapter president, Anne Wilson, has been the local

At a time when I was becoming increasingly ambivalent about research and academia and unsure of my ability to succeed in what I saw as a hostile atmosphere, it did promote my overall confidence.

Jessica Chuang

Graduate student
Chemistry Department
Stanford University

Books must follow sciences, and not sciences books.

Francis Bacon 1561-1626

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

ACS representative for National Chemistry Week the past three years, which has helped to incorporate Iota Sigma Pi into a day of activities at the Indianapolis Children's Museum. This entailed setting up a hands-on demonstration with cabbage juice to demonstrate a differences in pH in household items, as well as educating high school students and teachers from the community of the local job opportunities for women in chemistry.

Columbium **Twenty-fourth Chapter** **1947-1975**



(original name)



(current symbol)

A group of women graduate students in chemistry at Columbia University organized in 1945 and soon petitioned for a charter from Iota Sigma Pi. This was granted and Columbium chapter was installed May 10, 1947, by national officers Gladys Emerson and Marjorie Crawford. Aurum and Palladium had sponsored the new chapter. There were twenty-two charter members led by Mary Bette Alder and Virginia Clements, who was the first president of the chapter. Anne Caldwell was the first sponsor, followed by Mary L. Caldwell and Clara Mae Taylor. Geraldine L. Krueger attended the 1948 convention and was president through 1950, at which time there were twenty-eight active members.

There followed a period of inactivity, but in the fall of 1956, the chapter was revived with about forty members, including twenty initiates from Columbia graduate schools. In this period Emma Stecher of the Barnard faculty was the first sponsor, followed by Gloria Toralballa also of Barnard College and Orrea Pye of Teachers College. To maintain membership, it was decided to invite qualified graduate students from all the metropolitan universities, and also women chemists in research positions in the New York area. In 1960 seniors in good standing in the undergraduate colleges of Columbia University were also included. The total membership that year was thirty-nine with fourteen initiated nine of which were undergraduates. This chapter was a good example of a strong metropolitan development, with a small permanent nucleus and many transient members.

The spring luncheon featured a distinguished speaker who is elected an honorary member. Former members and other guests were invited to this meeting. Some of the speakers have been Marie McCarthy, Nina Syniowoska, Lizabeth Eisler, Hoylande Young. The list now includes Hazel Bishop, cosmetics chemist and business woman, Chen-Shiung Wu, atomic physicist,

Barbara Low, crystallographer, Gertrude Perlman, biochemist, and Sarah Ratner, Garvan Medallist.

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

Curium **Thirty-fourth Chapter** **1973-2001**



Curium Chapter was installed by Past President, Jane Fraenkel-Conrat at American University, Washington, D.C. on February 3, 1973. Five members from Polonium and Aurum Chapters transferred to the new chapter and five new members were initiated. Dr. Ann Baker was the faculty sponsor. Dr. Miriam Reiner, speaker at the installation was named an honorary member of the chapter. Since the installation, the membership has grown to eighteen. Dr. Baker was granted a sabbatical leave-of-absence and Dr. Nina Matheny Roscher replaced her as faculty liaison officer. In 1975 Curium chapter changed from an academic to a metropolitan chapter. The activity of Curium Chapter has varied over the years. Every time there is a National American Chemical Society meeting, some of the members of Curium Chapter meet with other Iota Sigma Pi members who are attending the ACS National Meeting. These meetings have varied from receptions to dinner meals. Other national organizations who meet in Washington D.C. also experience this hospitality. The chapter was saddened with the untimely death of its long time supporter, Dr. Nina Matheny Roscher, in October of 2001. Dr. Nina Matheny Roscher served as National Vice-President from 1975 to 1978. Dr. Margaret Cavanaugh served as National President from 1990-1993. Dr. Miriam Reiner received the 1987 Iota Sigma Pi Award for Professional Excellence. Both Dr. Cavanaugh and Dr. Roscher received the ACS Award for Encouraging Women into Careers in the Chemical Sciences.

Einsteinium Chapter **Forty-third Chapter** **2004**



On April 25, 2004, National Vice President Julie Teetsov installed Einsteinium Chapter in Tulsa Oklahoma. The chapter is a metropolitan chapter.

The reasons given for choosing the name were (1) it was "cool" for a chapter name. (2) Albert Einstein would be a good role model for very bright women in chemistry. This young scientist had visionary ideas that were not received or held in high regard. With persistence and hard work his ideas earned the respect of other scientists. The first chapter president was Rita Rhodes. Charter members include the following persons:

Carol N. Azadi
Jennifer M. Daughtery
Cassandra R. Duncan
Kristi Hitt
Erin V. Iski
Jennifer K. Lawson
Seema A. Paracha
Maeianeli Rodriguez
Brooke N. Stephenson
Andrea N. Thomas
Nguyen H. Truong
Lisa A. Vasicek
Shauna E. Bergers
Paige L. Johnson
Donna J. Pickard
Rita T. Rhodes
Laurie A. Salyers
Ying Shi
Robin R. Wiser

Fluorine Sixteenth Chapter 1925-2001



Prompted by NEWS EDITION accounts of Iota Sigma Pi chapters, several Mather College chemistry graduates, whose friendship dated back to their Qualitative Analysis class days and who were employed in the university area, decided to investigate the possibility of forming a chapter at Western Reserve University. Correspondence initiated by Gilberta Torrey and Nora Schrieber with Iota Sigma Pi national officers resulted in the granting of a charter to the group.

With the help of Dr. Hippolyte Gruener, Professor of Chemistry at Reserve and himself a Yale graduate, arrangements were made for Ytterbium chapter to sponsor the new group. The chapter chose the name Fluorine because of Dr. Harold S. Booth's interest in fluorine chemistry.

On February 28, 1925, Fluorine chapter was installed by Lottie Munn (Iodine) and Dorothy Drake Trumbull (Oxygen) in the faculty room of Mather Hall of the College for Women (now Flora Stone Mather College) of Western Reserve University at Cleveland, Ohio. Eleven of the thirteen charter members were initiated at this time. Charter members were

Elizabeth B. Bernbaum
Lucille Huggins
Marion Cleaveland
Carolyn K. Kalkbrenner
M. Elizabeth Fetzer
Jeanette L. Kerbaugh
Helen M. Focke
Nora E. Schrieber
Alta Gimmy
Donalda N. Smith
Harriet A. Hippard
Gilberta G. Torrey
Ann N. Hird

The first officers were

President: Nora E. Schrieber
Vice-President: Marion Cleaveland
Secretary: Gilberta G. Torrey
Treasurer: Helen M. Focke

The chapter's faculty sponsors have been Dr. Hippolyte Gruener, 1925-1939; Dr. Marion Cleaveland, 1939-1946; Dr. Frank Hovorka, 1946-1968; and Dr. Ralph Dannley, 1968-1980.

Over the years the number of chapter meetings per year has varied considerably. In the early days when a nucleus of active nonstudent members was employed in the university area, the group met about nine or ten times a year to hear technical talks by members or nonmembers, to visit plants and laboratories and to become acquainted with one another and prospective members at social functions. In recent years, the active nonstudent members have been employed in distant parts of Greater Cleveland, while students have been engrossed in numerous campus activities. Hence, with time at a premium, only three to four meetings have been held in a school year. Special efforts have usually been made to commemorate the chapter anniversary and to honor retiring Chemistry department members. The twenty-fifth anniversary of the founding of the chapter was celebrated appropriately in 1950 and the thirty-fifth in 1960 with Hoylande Young, Marion Cleaveland Lange and Helen Focke as the speakers.

Fluorine has always been active in furthering the National Society's objectives. Since 1934 the chapter has granted an annual cash award to graduating class member(s) showing excellence in chemistry. The recipient(s) of the prize usually belong(s) to the chapter. This award was originally known as the Fluorine Chapter Iota Sigma Pi Prize. At the retirement of Dr. Hippolyte Gruener in 1939, the award was renamed in his honor, the Hippolyte Gruener Prize.

The prize money was withdrawn from the chapter treasury until 1959. At that time Marion Cleaveland Lange undertook to contact Dr. Gruener's former students and to ask for contributions toward an endowment fund for the prize, to

Help other women

Carol Crosthwaite

Yes, I was definitely more confident about my capabilities as a scientist after receiving the Iota Sigma Pi award.

Rebecca Holmberg

Graduate Student
UNC- Chapel Hill

be received in time for Dr. Gruener's 90th birthday celebration on February 22, 1959. The alumnae (55) responded with donations amounting to \$431 and personal greetings for Dr. Gruener. Mrs. Gruener, herself a former student of her husband, donated an additional \$600, thus making a total of \$1,031. In return for her generous contribution, Mrs. Gruener was elected a local honorary member of Fluorine chapter. With this substantial endowment fund, the interest now provides the prize money.

In December 1925, during the meeting of the Federation of American Societies for Experimental Biology held in Cleveland at Western Reserve Medical School, Fluorine gave a luncheon for visiting women chemists. Among those present was Dr. Katherine H. Coward of University College, London.

Fluorine was hostess to the fourth triennial convention of Iota Sigma Pi in June 1927. The entertainment of the national meeting after only two years of chapter existence was an interesting and stimulating experience.

At the American Chemical Society national meetings held in Cleveland (1944, 1951, 1960), Fluorine has served as hostess chapter for the customary Iota Sigma Pi breakfast.

Marion Cleaveland served as national Vice President for the 1936-1939 triennium.

The decade 1963-1973 was one of the most momentous in the forty-eight year history of Fluorine. It began with Fluorine hosting the Fourteenth Triennial Convention in June, 1963. Highlight of the convention was the installation of Osmium of Ohio State University. Also at this time, Fluorine was privileged to have one of its members, Joan Lambros, elected as National Editor.

In the Spring of 1965, Fluorine held a "get acquainted" tea for undergraduate women chemistry students. The tea was held at the lovely Gwynn Estate on the shores of Lake Erie. Its purpose was to introduce these women to the purpose and significance of Iota Sigma Pi and to provide for informal discussions on the opportunities for women in chemistry. The event proved so successful that it has been continued as an annual chapter event.

In 1967, Western Reserve University merged with Case Institute of Technology to become Case Western Reserve University. Fluorine's charter was amended accordingly and Case students were initiated into the chapter for the first time in May, 1967. The forty-third Anniversary Banquet was held on May 18, 1968, to honor Dr. and Mrs. Frank Hovorka on the occasion of Dr. Hovorka's retirement. Dr. Hovorka, who had served as Fluorine's faculty advisor for twenty-two years, was informed that the chapter had endowed the

Frank Hovorka Sophomore Award in Chemistry. Mrs. Hovorka's years of interest and devotion to the chapter were also acknowledged at this time by naming her Honorary Patroness of the chapter. Fifty-two members and guests attended this banquet, which was honored by the presence of Dr. Nellie M. Payne, National Vice President. Dr. Marion Cleaveland Lange, charter member of Fluorine and its faculty advisor from 1939-1946, was the principal speaker. Dr. Ralph Dannley succeeded Dr. Hovorka as faculty advisor.

Joan Lambros served on the National Council during the triennium 1969-72. In 1972, Fluorine members Goldie Rimson, chairman, Beth Svoboda, Helen Skowronski, and Joan Lambros formed a publications "rescue committee" and successfully published Volume 29 of the **THE IOTAN**.

Probably the most momentous event since the chapter's founding was the vote to change Fluorine to a metropolitan chapter. This was formally accomplished in 1970-71 and was immediately implemented. The changeover proceeded with a minimum of problems with the first women from area institutions other than Case Western Reserve University being initiated in May, 1971. Immediately, slates of officers representing the diverse affiliations of the members were elected and this has continued to be the practice. Qualified candidates are now accepted from Baldwin-Wallace College, Case Western Reserve University, Cleveland State University, John Carroll University, Kent State University, Oberlin College, University of Akron, Youngstown State University, Notre Dame College, Ursuline College and Lake Erie College.

Fluorine chapter members Joan Lambros, Sister Jean-Marie DeChant, and Linda (Glaeser) Brazdil served as the chair of the Cleveland area local American Chemical Society.

Joan Lambros served on the Women Chemists Committee of the American Chemical Society from 1970-75. She was elected Chairman-elect of the Cleveland Section of the American Chemical Society in 1973 and was Chairman in 1974. Joan was the first woman in the Cleveland Section to hold these offices. She was Councilor for the Cleveland Section 1975-77.

On March 1, 1975, Fluorine celebrated its 50th Anniversary with a banquet at the Gwynn Estate in Cleveland. Twenty-three members attended, and greetings were received from the following: Dorothy Drake Trumbull, Gilberta G. Torrey, Marion Cleaveland Lange, Helen Focke, Elizabeth Bernbaum Hess, Lucille H. McIntyre, and Jeanette Kerbaugh. After dinner, Joan Lambros, National President and Fluorine member, spoke about her experiences in Fluorine, the significance of being an Iotan, and the upcoming convention in Houston.

In April of 1980, the Fluorine Chapter initiated

thirty-nine new members, a record for the society. The initiation ceremony and reception were held at a traditional site – Gwynn Estate on the Lake Erie shore. Initiation culminated a year of interesting programs, including “Chemistry in the Home” workshop, held at Notre Dame College and coordinated by Sister Muriel Petrasek, 1980-1981 Vice President of the Fluorine Chapter.

The Fluorine membership includes many outstanding professional women as well as students. Fluorine Chapter members who have held National Iota Sigma Pi Office include: Joan Lambros, National President 1972-1975; Beth Svoboda, National Editor 1972-1975 and National Membership Chair 1975-1976; Marilyn Davies Lucas, National Vice President 1978-1981; Dr. Linda (Glaeser) Brazdil, National Editor 1993-1996 and National President 1996-1999; Dr. Maria Andras, National Vice-President 1993-1996; and Dr. Lily Ng, National Director for Student Awards 1996-2002 and National President 2002-2005.

Fluorine members said good-bye with very fond regards and well wishes for a healthy and happy retirement to Dr. Ralph Dannley from Case Western Reserve University, faculty advisor from 1968-1980.

In June 1981 Fluorine Chapter was hostess to the Twentieth Triennial Convention of the society. This convention was packed with activities, including business sessions, two technical talks, a dinner theater, a plant tour of Diamond Shamrock, and a tour of the Cleveland Art Museum.

In 1982 twenty-four women were initiated into the Fluorine Chapter; in 1983 twenty-one members were added; and in 1984 sixteen members were added. At the 1984 meeting, a moment of silence was observed in memory of Frank Havorka who died in the past year. He was the Fluorine Chapter advisor from 1946 to 1968. In 1985 the Fluorine Chapter celebrated its 60th anniversary with a dinner and initiation at the Gwynn Estate.

In the period of 1987 to 1990, two initiations were held, adding a total of twenty-eight students and eight regular members. June 1989, Iota Sigma Pi held a luncheon in conjunction with the ACS Central Regional Meeting in Cleveland. Dr. Margaret Cavanaugh gave a talk on women in scientific careers. In February 1990, a dinner was held to celebrate the sixty-fifth anniversary of the founding of the Fluorine Chapter. Representatives from local colleges and universities were present to help us celebrate our partnership in encouraging women in scientific endeavors. In an effort to retain more members, in 1991, Fluorine Chapter began to initiate more regular members who are already established professionals in the Cleveland-Akron area.

The Fluorine Chapter hosted the 1993 Triennial

Convention; thus, a total of four triennial conventions have been hosted by Fluorine Chapter. Maria Andras was the 1993 Triennial Convention coordinator and chair. The theme, “Reaching Out”, was chosen to reflect our dedication to our members and to the various outreach programs we support for the general public.

The *Joan P. Lambros Distinguished Service Award* was established in 1995 to honor Joan for her many years of service and dedication to the Fluorine Chapter of Iota Sigma Pi. This award has since been presented annually to a member of the Fluorine Chapter for her distinguished service and commitment to the chapter. Including Joan, eight members have been honored. In 1995 two chapter scholarships were established. In 1996 the first recipients of the Fluorine Chapter Science Scholarship and The Frank Hovorka Award for Achievement in Science were named. These scholarships are funded via donations and other fund raising activities. Fluorine also takes part in the Northeast Ohio Science and Engineering Fair each spring. Awards are given to three young women whose chemistry projects exhibit original scientific thought. Winners receive a gift certificate to a bookstore or a subscription to Science News, as well as a certificate of achievement. Additionally the Fluorine Chapter 1991-1996 programs included a variety of recreational activities: tobogganing in Cleveland Metroparks, dinner at the Great Lakes Brewery, tour of NASA Lewis Visitors Center, and luncheons at local restaurants.

Initiation of new members continued to be the highlight of each year throughout 1996 - 2000. Membership has remained steady at about 130 members. The initiation ceremony has been held at a variety of locations including Cleveland State University, Baldwin Wallace College and John Carroll University as well as the Cleveland Botanical Gardens. The location of the initiation ceremony has been varied to reflect the metropolitan nature of the Fluorine Chapter. Members are kept informed of chapter events through “Focus on Fluorine”, the chapter newsletter. On February 26, 2000, at Cleveland State University, the Fluorine Chapter celebrated its 75th anniversary. Formal and poster presentations were presented by both students and professional Fluorine members. Helen M. Free was the featured speaker with her “Of Course You Can be a Success in Science” talk.

In 1999, the BP Chemical Company provided a \$40,000 endowment fund from which the Fluorine Chapter agreed to grant annually a nonrenewable scholarship to one Ohio woman high school senior who was preparing for a career in chemistry. The first BP Scholarship was awarded in 2000.

Fluorine Chapter Officers ('84-'01)
President: N. Cardon (84-85), L. Glaeser (85-86),

*Always have a Plan B
ready.*

Helen M. Free