

Division of Organic Chemistry

American Chemical Society

Office of the Secretary-Treasurer, Department of Chemistry
Iowa State University Ames, Iowa 50011 515-294-2886

Executive Committee

James C. Martin, Chairman
Peter Beak, Chairman-Elect
Walter S. Trahanovsky, Secretary-Treasurer
Philip E. Eaton, Symposium Executive Officer
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Carl R. Johnson
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Koji Nakanishi
Martin Semmelhack
K. Barry Sharpless
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Norman A. LeBel
Ernest Wenkert

Alternate Councilors

David M. Lemal
Albert Padwa
Stuart Staley
Jacob Szmuszkovicz

Members of the Division of Organic Chemistry:

You are invited to attend the meetings and to submit a paper for presentation before the Division of Organic Chemistry at the 185th National ACS Meeting in Seattle, March 20-25, 1983. Requests for hotel reservations should be withheld until publication of the preliminary program in Chemical and Engineering News.

The Executive Committee has decided to hold divisional social hours at both the spring and fall ACS Meetings. In the past, social hours were scheduled for fall ACS Meetings only. In Seattle, the social hour is scheduled for Sunday, March 30th, from 8:30 p.m. to 11:00 p.m. at a location to be announced in C & E News.

Instructions for submissions of papers are contained in the accompanying sheet entitled "Information for Authors of Papers." Please read them carefully. **The firm deadline for receipt of papers is November 19, 1982** as noted on the accompanying sheet.

The Divisional Program in Seattle will feature:

Award Symposia

- James Flack Norris Award in Physical Organic Chemistry, sponsored by the ACS Northeastern Section, to Glen A. Russell—Monday a.m.
- Ernest Guenther Award in the Chemistry of Essential Oils and Related Products, sponsored by Fritzsche Dodge & Olcott, to Karel Wiesner—Monday p.m.
- ACS Award for Creative Work in Synthetic Organic Chemistry, sponsored by Aldrich Chemical Co., to K. Barry Sharpless—Tuesday a.m.
- ACS Award in the Chemistry of Contemporary Technological Problems, sponsored by Mobay Chemical Corporation, to Carl Djerassi—Wednesday p.m.
- "The Rowland Pettit Memorial Symposium on Organometallic Chemistry" organized by Robert G. Bergman and John Bercaw, co-sponsored with the Division of Inorganic Chemistry—Monday p.m. through Wednesday a.m.
- Symposium on "Fundamental Heterocyclic Chemistry" organized by R. A. Abramovitch—Monday p.m. through Wednesday a.m.
- Symposium on "The Chemistry of Four-Membered Metallacycles" organized by P. W. Jennings—Wednesday p.m. and Thursday.
- Symposium on "Advances in Carbocation Chemistry" organized by D. Farcasiu and P. Gassman, joint with the Division of Petroleum Chemistry, the primary sponsor—Monday and Tuesday.
- Symposium on "Thermodynamics of Organic Free Radicals" organized by D. Golden, joint with the Division of Physical Chemistry, the primary sponsor—Monday and Tuesday.
- Symposium on "Chemical Physics of Organic Free Radicals" organized by G. Closs, joint with the Division of Physical Chemistry, the primary sponsor—Tuesday and Wednesday.

---- New Benefit for Members ----

Distribution of Free Copies of Annual Volumes of *Organic Syntheses* to Members.

Free copies of the next volume of *Organic Syntheses* (Vol. 62, edited by M. Semmelhack, expected early 1983) will be sent to all members of the Division. These copies will have a paper cover and will be marked "Not for Library Use." This program will continue for at least three volumes. *Organic Syntheses*, Inc. is providing the volumes and the Division is paying for their distribution.

Future Divisional Programs

June 19-23, 1983. Bozeman, Montana. The 28th National Organic Chemistry Symposium. The program for this symposium will be announced within a few months.

August 28-September 2, 1983. Washington D.C. The 186th National Meeting of the American Chemical Society. A symposium on "Carbene Chemistry" is being organized by Robert A. Moss, Department of Chemistry, The State University of New Jersey, New Brunswick, New Jersey 08903 and Peter J. Stang, Department of Chemistry, University of Utah, Salt Lake City, Utah 84112. A symposium on "The History of Physical Organic Chemistry" is being organized by Leon B. Gortler, Department of Chemistry, City University of New York, Brooklyn College, Brooklyn, New York 11210 and Cheves Walling, Department of Chemistry, University of Utah, Salt Lake City, Utah 84112. This symposium will be co-sponsored with the Division of the History of Chemistry. A symposium on "Application of Theoretical Principles to Reaction Processes" is being organized by Charles L. Liotta, Department of Chemistry, Georgia Institute of Technology, Atlanta, Georgia 30332.

April 8-13, 1984. St. Louis, Missouri. The 187th National Meeting of the American Chemical Society. A symposium on "Aliphatic Nitro Compounds" is being organized by Walter W. Zajac, Jr., Department of Chemistry, Villanova University, Villanova, Pennsylvania 19085.

August 26-31, 1984. Philadelphia, Pennsylvania. The 188th National Meeting of the American Chemical Society. A symposium on "Organic Phototransformations in Non-Homogeneous Media" is being organized by Marye Anne Fox, Department of Chemistry, The University of Texas at Austin, Austin, Texas 78712.

Other Meetings of Interest

November 15-17, 1982. An International Conference entitled "Catalytic Transition Metal Hydrides" has been organized under the auspices of the New York Academy of Sciences; Barbizon-Plaza Hotel in New York City; Chairman: D. W. Slocum, Gulf Research & Development Company, P.O. Drawer 2038, Pittsburgh, Pennsylvania 15230 and William Moser, Department of Chemical Engineering, Worcester Polytechnic Institute, Worcester, Massachusetts 01609.

December 1-3, 1982. Southwest Rocky Mountain ACS Regional Meeting, El Paso, Texas; includes symposia on "Theoretical Organic Chemistry" and "Organometallic Chemistry;" Chairman: Keith H. Pannell, Department of Chemistry, The University of Texas at El Paso, El Paso, Texas 79968.

Elections and Nominations

The results of the election for three-year terms beginning September 1982 are: Chairman-Elect: Peter Beak; Executive Committee: K. Barry Sharpless and James D. White. Because of the Bylaw change, this year the election for two councilors and an alternate councilor is being held at this time. In the future, the election of councilors and alternate councilors will be held in the spring. Enclosed with this letter are a sheet entitled "Information Regarding the Election of Two Councilors and One Alternate Councilor for Three-Year Terms Beginning January 1, 1983," a ballot and a return envelope for the marked ballot. The results of the ballot shall be determined by those votes returned to the Secretary by November 15, 1982. Procedures for nominating officers of the Organic Division to be elected in 1983 are also enclosed. The nominating committee would appreciate your advice and would like to have your suggestions by November 15, 1982. These should be mailed to the Secretary and may be included with the ballot.

American Chemical Society Congressional Fellowships

Candidates for a one-year appointment for two ACS Congressional Fellowships are being sought. The deadline for receipt of applications is January 31, 1983 and the fellowship term will begin in September, 1983. The objectives of the fellowship program are: to provide an opportunity for scientists to gain firsthand knowledge of the operations of the legislative branch of the federal government; to make available to the government an increasing amount of scientific and technical expertise; and to broaden the perspective of both the scientific and governmental communities regarding the value of such scientific-governmental interaction. Applications should be submitted to Dr. Annette T. Rosenblum, Department of Public Affairs, American Chemical Society, 1155 - 16th Street, N.W., Washington, D.C. 20036. For further information write Dr. Rosenblum or call 202-872-4384.

Proceedings of a Symposium on Energy

A limited number of copies of a symposium on energy, organized by R. G. Wymer and O. L. Keller of the Oak Ridge National Laboratory for the Southeast-Southwest Regional ACS Meeting in New Orleans, December, 1980, are available from the Secretary's office upon receipt of a self-addressed, stamped (\$1.35) envelope (9 1/2" x 12 1/2"). The proceedings will be sent free of charge on a first-come, first-served basis.

Abstracts

The abstracts of papers presented before the Organic Division will be lithographed and distributed to the members of the Division. Complete sets of the abstracts of all papers presented at the September, 1982 National ACS Meeting may be obtained from ACS News Service. Be sure to indicate Divisional Membership when ordering.

A limited number of copies of the abstracts of papers previously presented before the Division are available from the Secretary's office upon receipt of a self-addressed, stamped (\$1.05) envelope (at least 8" x 10") and remission of \$1.50 per abstract of National meetings, \$2.00 per abstract of National Organic Symposia.

Book Discount for Members

Coupons which provide substantial discounts on the purchase of books from Academic Press, Holden Day, Marcel Dekker, Plenum, Pergamon, John Wiley & Sons, and Verlag Chemie Publishing companies were included in the spring mailing. New members are sent coupons for the current year on enrollment in the Division and coupons for the next year will be sent to present members in the spring mailing. To obtain the discount, sign the coupon and include it **with prepayment** in an order to the publisher's address as indicated. Discounts and publishers included are:

- Academic Press, Inc., 25 percent discount. Orders must be directed to Mr. Fred Haight, Academic Press, Inc., 111 5th Ave., New York, N.Y. 10003.
- Holden Day, Inc., 25 percent discount. Holden Day, Inc., 500 Sansome St., San Francisco, Calif. 94111.
- Marcel Dekker, Inc., 30 percent discount. Marcel Dekker, Inc., 270 Madison Ave., New York, N.Y. 10011.
- Plenum Press, Inc., 25 percent discount. Plenum Publishing Company, 227 W. 17th St., New York, N.Y. 10011.
- Pergamon Press, Inc., 25 percent discount. Orders must be directed to Ms. J. Rudosky, Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, N.Y. 10523.
- John Wiley & Sons, 25 percent discounts on Wiley-Interscience books, excluding text books. John Wiley & Sons, Eastern Distribution Center, 1 Wiley Drive, Somerset, N.J. 08873.
- Verlag Chemie International, Inc., 25 percent discount. Verlag Chemie International, Inc., Plaza Centre, Suite E, 1020 N.W. 6th Street, Deerfield Beach, Fla. 33441.

Sincerely,


Walter S. Trahanovsky
Secretary-Treasurer

American Chemical Society—Division of Organic Chemistry

Information for Authors of Papers

I. ACS Requirements

The Bylaws of the American Chemical Society place the following requirements on papers which are presented at National ACS Meetings.

1. ACS Membership

At least **one author** of each paper must be a member of the American Chemical Society, unless the author is not a chemist or engineer residing in the United States.

II. Organic Division Requirements and Policies

The Organic Division has the following Bylaws and policies pertaining to papers submitted for presentation at National ACS Meetings.

1. Under no circumstances should a paper appear in print in a journal other than as a communication to the editor before the oral presentation. Responsibility for ensuring that this policy not be violated rests solely with the author(s). If a manuscript is accepted for publication prior to or shortly after submission of the paper for presentation at a Meeting, the author(s) should specifically request the editor to arrange publication in an issue that is circulated after the ACS Meeting.

2. Short Abstracts

Four identical copies of a 150 word (or equivalent) abstract are required. **The original must be typed on the new abstract form and submitted with three Xerox or carbon copies on at least 16 lb. bond paper. The abstract itself must be kept within a 7½" x 3⅞" area. The preparation of a short abstract demands care and attention since direct photoreproduction will be used.**

3. Long Abstracts

One copy of a long abstract (at least 1,000 words) of the paper to be presented **which contains a detailed description of the experimental work upon which the paper is based must be submitted.** A copy of the manuscript in a form to be submitted for publication constitutes an ideal long abstract. No paper can be accepted for the meeting program unless it is accompanied by a long abstract. After the long abstract has been reviewed in preparation for the program, the long abstract of each paper accepted will be sent to the chairman of the session in which the paper is to be presented. The presiding officer will either serve as discussion leader for each of the papers in his session or will appoint some other person to serve as discussion leader. The long abstract cannot be returned. **Manuscripts for publication should be sent to the editors of the journals and not to the Secretary of the Division.**

4. Deadline for Receipt

The original and three copies of the 150-word abstract and one copy of the 1,000-word abstract should reach the office of the Secretary **no later than November 19, 1982.** Since the program is arranged and the 150-word abstracts mailed to Washington immediately after this date, **no papers can be accepted, withdrawn or changed after November 19, 1982. Please be certain of your plans before submitting a paper.**

5. Scheduling of Papers

Insofar as possible, the papers are arranged according to subject matter. Please do not request the scheduling of a paper at a specific time unless a conflict makes it impossible for you to attend on certain days. However, if such a conflict exists, please advise the Secretary **no later than November 19, 1982.** If the author is presenting a paper before one of the other divisions during the same meeting please advise the secretary of the day on which the paper is to be presented **no later than November 19, 1982.**

6. Notification of Acceptance

The author presenting the paper will be notified of the date and time when his paper has been scheduled **approximately five weeks after the Secretary's deadline.** If a paper cannot be accepted, the author will be notified of this fact **approximately four weeks after the Secretary's deadline,** and all of the abstracts will be returned.

7. Acknowledgement of Receipt

Any author desiring acknowledgement of receipt of a submitted paper should include a self-addressed, stamped postcard.

III. Slides and Oral Presentation

Each meeting room will be equipped with a blackboard and with projection facilities for 2" x 2" slides. Authors should be sure their slides are legible and present a reasonable amount of data on each slide. Manuscripts should not be read verbatim. The Executive Committee recommends strongly that each paper be presented by the senior author. Since the time allotted to each oral presentation is only fifteen minutes it is suggested that no more than ten slides be used in the presentation.

Walter S. Trahanovsky
Secretary-Treasurer
Division of Organic Chemistry
Department of Chemistry
Iowa State University
Ames, Iowa 50011

**American Chemical Society
Division of Organic Chemistry**

Information Regarding the Election of Two Councilors and One Alternate Councilor for Three-Year Terms Beginning January 1, 1983

The following candidates were nominated by the Executive Committee in compliance with the new Bylaws. The election shall be held by mail ballot and the results of the ballot shall be determined by the majority of those whose votes are received by November 15, 1982. The results of the election will be announced in the spring newsletter and at the next business meeting. Enclosed with this information are a ballot and an addressed return envelope. In order for votes to be valid, the votes must be marked in accordance with the instructions given, placed in the addressed envelope, sealed, stamped, and mailed so that the Secretary will receive them by November 15, 1982.

For Councilor (two to be elected):

Paul G. Gassman—Born June 22, 1935, Alden, New York; B.S., Canisius College, 1957; Ph.D., Cornell University, 1960; Postdoctoral, Cornell University, 1960-1961; Assistant Professor, Ohio State University, 1961; Associate Professor, 1966; Professor, 1969; Professor (1974-) and Chairman (1975-1979), Department of Chemistry, University of Minnesota; Sloan Fellow, 1967; ACS Award in Petroleum Chemistry, 1972; Officer, Columbus Section of ACS, 1967-1970; National Councilor, 1971-1974; Executive Committee and Chairman, Organic Division of ACS; Petroleum Research Fund Advisory Board, 1978; Policy Committee, 1978; National Science Foundation Advisory Committee for Chemistry, 1978-1981; Board of Editors, Journal of Organic Chemistry, 1975-1980; National Research Council, Planning Committee on Synthetic Fuels, 1979; Fellow of the Japan Society for the Promotion of Science, 1981; Fellow of the American Association for the Advancement of Science, 1982; Plenary and invited speaker at National and International Meetings; Research interests: nitrenium ion reactions, neighboring group participation in carbonium ion chemistry, small ring and heterocycle chemistry, cycloaddition reactions, transition metal and carbonion chemistry, organoelectrochemistry, aromatic substitution, hydrocarbon oxidations.

Norman A. LeBel—Born 1931, Augusta, Maine; A.B., Bowdoin College, 1952; Ph.D., Massachusetts Institute of Technology, 1957; Chemist, Merck & Co., 1952-1954; Assistant Professor, 1957-1960; Associate Professor, 1960-1964; Professor, 1964-; Chairman, Department of Chemistry, Wayne State University, 1971-1978; Sloan Foundation Fellow, 1961-1965; ACS Detroit Section, Executive Committee, 1960-1962; Alternate Councilor, 1963; ACS Division of Organic Chemistry, Secretary-Treasurer-elect, 1963-1964; Secretary-Treasurer, 1964-1969; Alternate Councilor, 1969; Councilor, 1970-; Executive Committee, 1964-; ACS Divisional Activities, 1982-83; DA Subcommittee on New Methods of Presentation at National Meetings, 1982; ACS Organizing Committee for the 1984 Pacific Basin Chemical Congress, 1981-; PRF Advisory Board, 1981-1983; Experimental Science Commission Task Force on Non-Publication Scientific Communication, 1980; ACS Council on Publications, 1970-1975; Council Committee on Nominations and Elections (elected), 1975-1981; ACS Program Coordination Conference Advisor, 1973-1979; Committee to Administer the Program Development Fund, 1976-1978; CS/CSJ Joint Chemical Congress, 1978-1979; Advisory Board, Journal of Organic Chemistry, 1966-1969; Research interests: Intramolecular 1,3-dipolar cycloadditions and new synthetic methods; elimination and addition reactions; homoconjugative interactions and reactions.

For Alternate Councilor (one to be elected):

Edel Wasserman—Born July 29, 1932, New York, New York; A.B., Cornell University, 1953; M.A., Harvard University, 1954; Ph.D. Harvard University, 1957; Supervisor, Department of Organic Chemistry, Bell Telephone Laboratories, Murray Hill, New Jersey, 1957-1967; Adjunct Professor, Rutgers University, 1967-1976; Director, Chemical Research Center, Allied Chemical Corporation, 1976-1981; Research Leader, DuPont, 1981-; Research interests: sulfur chemistry, fundamentals of reactions, complex systems.

Deadline for Receipt of Abstracts of General Papers for Division of Organic Chemistry

Meeting:

185th ACS
(Seattle, March 1983)

Deadline:

November 19, 1982

Meeting:

186th ACS
(Washington, D.C., August 1983)

Deadline:

May 13, 1983

Four copies of 150-word abstract (original on ACS abstract form) and one copy of 1000-word abstract must be returned by the deadline date.

Mail to:
Dr. Walter S. Trahanovsky
Department of Chemistry
Iowa State University
Ames, Iowa 50011

American Chemical Society

Division of Organic Chemistry

Division Elections

The Nominating Committee for the selection of candidates for Divisional Officers to be elected in 1983 has started deliberations. If any member of the Division wishes to suggest to the Committee the name of a candidate for nomination, he may do so by writing his suggestion below and returning this form to the secretary by Nov. 15, 1982.

Article III, Section 5 (a) of the Division's Bylaws provides that "the name of any eligible candidate nominated by petition shall be included on the ballot provided that such nominee is willing to serve if elected. Such petition must be received by the Secretary of the Division by February 1, must be signed by at least fifty members of the Division, and must include a short biography of the candidate and a written statement by the candidate of his willingness to serve if elected." Names of candidates for Chairman-Elect, for the Executive Committee, and for Councilor will be on the 1983 ballot.

The Nominating Committee is interested in having your advice on future divisional officers. In an effort to encourage membership input, blanks for your suggestions are provided below. For your information the names of members of the executive committee for the last ten years are listed.

Chairmen

A. Streitwieser
E. Eliel
J. P. Freeman

H. E. Simmons
E. C. Taylor
H. Hart

A. Kende
R. Ireland
P. G. Gassman

A. I. Meyers
J. C. Martin
P. Beak

Committee Members

M Caserio
C. Collins
W. Sheppard
E. Burgess
H. Shine
J. Prager

J. Moffatt
J. Speziale
J. E. Baldwin
O. Chapman
J. Szmuszkovicz
C. H. Heathcock

B. Trost
J. Marshall
D. A. Evans
E. Wasserman
L. A. Paquette
R. E. Coates

K. Nakanishi
M. Semmelhack
W. S. Trahanovsky
R. G. Bergman
C. R. Johnson
K. B. Sharpless
J. D. White

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**American Chemical Society
Division of Organic Chemistry**

Ballot

Councilor:

(Vote for two [2])

☐ Paul G. Gassman

☐ Norman A. LeBel

Alternate Councilor:

(Vote for one [1])

☐ Edel Wasserman

ABSTRACT FORM

*Planning ... Illustrating ... Presenting ...
Your Technical Paper ...*



BEFORE THE AMERICAN CHEMICAL SOCIETY

An outline of requirements and suggestions ... for details consult "Handbook for Speakers" (ACS Bulletin 8) available from ACS Meetings and Divisional Activities Department

AUTHOR ELIGIBILITY ...

APPENDIX 1 ACS MEETING REGULATIONS

BYLAW VI

(Constitution, Article XI)
Meetings of the Society

... SEC. 5.

The following rules shall apply to the presentation of papers at a national, regional, divisional, or other major meeting of the SOCIETY: (1-1-51)

1. The term "paper" shall include any presentation for which the title and authors are listed on the program and which may be reduced to writing either prior to, during, or subsequent to the meeting at which presented.
2. No paper shall be presented at a national, regional, divisional, or other major meeting unless its title appears on the program for the meeting. (1-1-51)
3. No paper by a chemical scientist residing in the United States who is not a member of the SOCIETY shall appear on the program of a national, regional, divisional, or other major meeting of the SOCIETY unless it be a joint paper with one or more SOCIETY members, or unless for a national, regional, or national-divisional meeting the author has been invited to present the paper at a symposium organized by a Division of the SOCIETY or by Sections of the SOCIETY, and the chairman of such Division or of the host Section has certified to the Executive Director of the SOCIETY prior to publication of the program that presentation by the author of such paper is important to the success of the symposium. (1-1-82) ...

DEADLINES ...

See ACS PROGRAM DEADLINES AND TOPICS, published in CHEMICAL and ENGINEERING NEWS twice a year (usually in June and December) for a complete listing of divisional deadlines, topics to be presented, and information on submitting a paper.

SLIDE PREPARATION (FOR FORMAL PRESENTATIONS)

- Use 2 × 2-inch (35 mm) color slides—they are effective, easy to make, and inexpensive. Color film is also convenient for making slides from black-and-white copy.
- Use a dark-colored background—it is better than black or white.
- Limit each slide to one main idea.
- Use a slide series for progressive disclosure—it clarifies greatly.
- Limit each slide to 15 to 20 words, or 25 to 30 elements; include no more than you will discuss.
- Leave space—at least the height of a capital letter—between lines.
- Include titles to supplement, not duplicate, slide data.
- Use several simple slides rather than one complicated one, especially if you must discuss a subject at length.
- Use duplicates if you need to refer to the same slide at several different times in your talk. It is impractical to search for and reshew a slide.
- Plan your slides for a good visual pace in your presentation. Don't leave a slide on the screen after discussing its subject.
- Thumb-spot all slides in the lower left corner when the slide reads correctly on hand viewing. Add sequence numbers.

USE THIS TEMPLATE, SAME SIZE FOR
TYPING. 9 DOUBLE SPACED LINES
MAXIMUM. 54 ELITE (OR 45 PICA)
CHARACTERS WIDE.

Template for typewritten copy for 35mm slides

Use this template when you are typing copy for slides: 9 double-spaced lines (maximum) and 54 elite (or 45 pica) characters wide.

Upper- and lowercase *elite* type will be legible up to 40 feet (12.2 m) from the projected image 5 feet (1.5 m) high; *pica* type, to about 60 feet (18.3 m). The use of *upper*-case letters only will extend the legibility distance somewhat.

Keep captions, lines, or other markings (added to illustrations from which slides will be made) within the rectangle.

Use the template as a guide for setting up your camera; the viewfinder should include about $\frac{1}{8}$ inch (3 mm) outside the template area on all slides.

You may find it helpful to trace the template on onionskin or clear plastic material that can be used to check copy area and to align the camera.

POSTER SESSIONS

You may wish to consider a poster paper presentation as opposed to the traditional formal (oral) presentation. Poster sessions not only allow more papers to be presented, but they allow a much greater time span for each presentation.

INSTRUCTIONS FOR POSTER PAPER AUTHORS

- Each poster session author will be provided with a horizontal poster board (4' × 8') and chair. The board will indicate the appropriate division and paper number in upper right or left corner. Authors are responsible for mounting their own material at least one-half hour prior to the opening of the session and for removing it within one-half hour after the session closes.
- All illustrations, charts, etc., to be posted should be prepared in advance as materials for these purposes will not be available at the meeting site. ACS will provide a reasonable supply of push pins, thumb tacks, marking pens, etc., but we suggest authors provide their own if possible.
- Each poster paper must have a heading (letters $\frac{1}{2}$ " high or typed with BULLETIN typewriter). Material will have to be read by attendees from a distance of 3 feet or more, so lettering on illustrations should be large and legible. Material should be displayed in logical sequence (introduction, development, conclusion) and each sheet should be numbered.
- It doesn't need to be "arty" but the effectiveness of a poster presentation will be enhanced by using techniques such as mounting the sheets on colored construction paper, etc., to improve the graphic impact. Please note, however, that simplicity, ease of reading, etc., are more important than artistic flair. Illustrations should not be mounted on heavy stock as this could make them difficult to mount on poster boards.
- Authors may wish to bring duplicated copies of their data and conclusions. No duplication facilities will be available through ACS. Authors may also wish to provide sign-up sheets for attendees who may wish additional information, reprints, etc.

STANDARD ABSTRACT FORM FOR ACS MEETING PAPERS

Use attached form for an abstract which can be reproduced photographically, without retyping or retouching. DO NOT use black and white reproductions. Printed forms with nonreproducible blue lines are available from Division Program Chairmen and Secretaries and from ACS, Room 207, 1155 Sixteenth Street, N.W., Washington, D.C. 20036. The latter will also supply members, on request, with a free copy of Bulletin 8, "HANDBOOK FOR SPEAKERS."

Prepare 3 copies (original on Standard Abstract Form)

Use the form to supply the following information required by the ACS

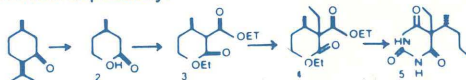
- A. NAME OF DIVISION
- B. TITLE OF PAPER
Use Cap and Small letters for Benefit of Editors.
- C. AUTHOR(s) NAMES(s)
First Name First, Underline Speaker's Name.
- D. CURRENT ADDRESSES
- E. MEMBERSHIP STATUS
ACS & Division
- F. CLASSIFICATION & DEGREE
- G. WHERE WORK REPORTED WAS PERFORMED. *Omit if all authors are still there.*
- H. PUBLICATION INFORMATION
- I. EQUIPMENT NEEDED FOR PRESENTATION OF PAPER

Follow the Guide for AUTHORS

- J. HOW TO PREPARE A PHOTO-READY ABSTRACT
Format to use
Details to observe

TYPE THE ABSTRACT TITLE IN CAPITAL LETTERS. Follow with Authors' Names, Business Addresses, Zip Codes. Underline Speaker's Name. Start third line and any subsequent lines in the heading, if needed, just inside the blue line at left.

Leave a space between heading and abstract proper. Indent as shown. Keep all lines as wide as possible without touching or going beyond the blue lines at either side. Short lines create extra pages and add to publication expense. Avoid them where possible. Keep the text in one paragraph. If literature citations are needed, insert them in parentheses and not as footnotes. Credits, if any, should be added at the end of the abstract, but not as a new paragraph. If structures or other forms of illustration are used, drawings should be part of the overall abstract, as shown below, and not submitted separately.



Use an electric typewriter with carbon ribbon if possible, and a type size to give about 88 characters (letters) per 7½ inch line. Before submitting your abstract, check format, nomenclature, and spelling. Make sure that erasures do not show. Abstracts will not be retyped, but reproduced photographically at two-thirds the original size, minus the blue guidelines which are nonreproducible. If the standard form is not available when you need it, use plain white paper. Do not draw guidelines. Set your typewriter for a 7½ inch line and use the format shown. Please mail the abstract unfolded.

- K. WHERE TO MAIL FINISHED ABSTRACT
Also check for number of copies required.

(A) DIVISION OF Chemical Education (B) TITLE OF PAPER Mass-Selective Laser Photoionization		(To be filled by Division) Paper number as listed on program <u>41</u> Time Required for Presentation <u>20</u> <input type="checkbox"/> Poster Presentation Preferred
(C) AUTHORS <i>Underline name of speaker</i> R. E. Smalley	(D) Business Mailing Address Including Zip Code and telephone Number <i>List Address only once if all authors at same address</i> Department of Chemistry Rice University P.O. Box 1892 Houston, TX 77001 (713) 527-8101, ext. 2344	(E) ACS Member? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Division Member? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (F) American Chemist or Chemical Engineer? <i>If not, give classification such as biologist, physicist, etc. Ph.D?</i> <input checked="" type="checkbox"/> Chemist <input type="checkbox"/> Chemical Engineer Other _____
ACS Membership number MUST be indicated for at least one author #0261707J (Please use number as it appears on C&EN mailing label)		
(G) Work done at <u>Rice University</u>		
(H) Plan ACS <input type="checkbox"/> nonACS <input checked="" type="checkbox"/> publication. Where? <u>J. Chem. Education.</u> No <input type="checkbox"/> Uncertain <input type="checkbox"/>		
(I) Specify Equipment Required for Presentation <u>Other than 2" x 2" slide or overhead (transparency) projector</u>		
(J) ABSTRACT. Please be BRIEF—150 words maximum if possible. Title of paper should be ALL CAPS; author(s) listed by first name, middle initial, last name; indicate full address w/zip code. <u>SINGLE SPACE, BLACK CARBON RIBBON.</u>		
DO NOT USE →		
DO NOT USE → <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> MASS-SELECTIVE LASER PHOTOIONIZATION. R. E. Smalley, Department of Chemistry, Rice University, Houston, Texas 77001. Within the past several years, new developments in laser technology have enabled a fantastic advance in the spectroscopic investigation and analytic detection of polyatomic molecules. In many cases we can now reach single molecule counting sensitivity with selectivity not only to a particular type of molecule, but even to a particular state of that molecule—all within a time frame of less than ten billionths of a second! This talk will discuss recent developments and applications of this multicolor, mass-selective laser technique in the rather exotic environment of a hypersonic molecular beam. Included in the set of examples will be probes of (1) triplet formation and decay in aromatic molecules, (2) molecular excimers and exciplexes, and (3) metal cluster structure and dynamics in an ultracold pulsed hypersonic beam. </div>		
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