

ICP Information NEWSLETTER

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Objective

The *ICP INFORMATION NEWSLETTER* is a monthly journal published by the Plasma Research Group at the University of Massachusetts and is devoted exclusively to the rapid and impartial dissemination of news and literature information related to the development and applications of plasma sources for spectrochemical analysis.

Background

ICP stands for inductively coupled plasma discharge, which during the past decade has become the leading spectrochemical excitation source for atomic emission spectroscopy. ICP discharges also are applied commercially as an ion source for mass spectrometry and as an atom and ion cell in atomic fluorescence spectrometry. The popularity of this source and the need to collect in a single literature reference all of the pertinent data on ICP stimulated the publication of the *ICP INFORMATION NEWSLETTER* in 1975. Other popular plasma sources, i.e., microwave induced plasmas, direct current plasmas and glow discharges, also are included in the scope of the *ICP INFORMATION NEWSLETTER*.

Scope

As the only authoritative monthly journal of its type, the *ICP INFORMATION NEWSLETTER* is read in more than 40 countries by scientists actively applying or planning to use the ICP or other types of plasma spectroscopy. For the novice in the field, the *ICP INFORMATION NEWSLETTER* provides a concise and systematic source of information and background material needed for the selection of instrumentation or the development

of methodology. For the experienced scientist, it offers a single-source reference to current developments and literature.

Editorial

The *ICP INFORMATION NEWSLETTER* is edited by Dr. Ramon M. Barnes, Professor of Chemistry, University of Massachusetts at Amherst, with the assistance of a 20-member Board of National Correspondents composed of leading plasma spectroscopists. The Board members from around the world report news, viewpoints, and developments. Dr. Barnes has been conducting plasma research on ICP and other discharges since 1968. He also serves as chairman of the Winter Conference on Plasma Spectrochemistry, sponsored by the *ICP INFORMATION NEWSLETTER*.

Regular Features

- Original submitted and invited research articles by ICP and plasma experts.
- Complete bibliography of all major ICP publications.
- Abstracts of all ICP papers presented at major US and international meetings.
- First-hand accounts of world-wide ICP developments.
- Special reports on dcp, microwave, glow discharge and other plasma progress.
- Calendar and advanced programs of plasma meetings.
- Technical translations and reprints of critical foreign-language ICP papers.
- Critical reviews of plasma-related books and software.

Conference Activities

The *ICP INFORMATION NEWSLETTER* has sponsored seven international meetings on developments in atomic plasma spectrochemical analysis since 1980 in San Juan, Orlando, San Diego, St. Petersburg, and Kailua-Kona. Meeting proceedings have appeared as *Developments in Atomic Plasma Spectrochemical Analysis* (Wiley), *Plasma Spectrochemistry and Plasma Spectrochemistry II-IV* (Pergamon Press) as well as in special issues of *Spectrochimica Acta, Part B* and *Journal of Analytical Atomic Spectrometry*. The 1994 Winter Conference on Plasma Spectrochemistry will be held in San Diego, California, January 10 - 15, 1994; its proceedings will be published by Fall 1994.

Subscription Information

Subscriptions are available for 12 issues on either an annual or volume basis. The first issue of each volume begins in June and the last issue is published in May. For example, Volume 18 runs from June 1992 through May 1993. Back issues beginning with Volume 1, May 1975 also are available. To begin a subscription, complete the form below, and submit it with prepayment or purchase information. For additional information please call (413) 545-2294, fax (413) 545-4490, or contact the Editor. Credit cards accepted.

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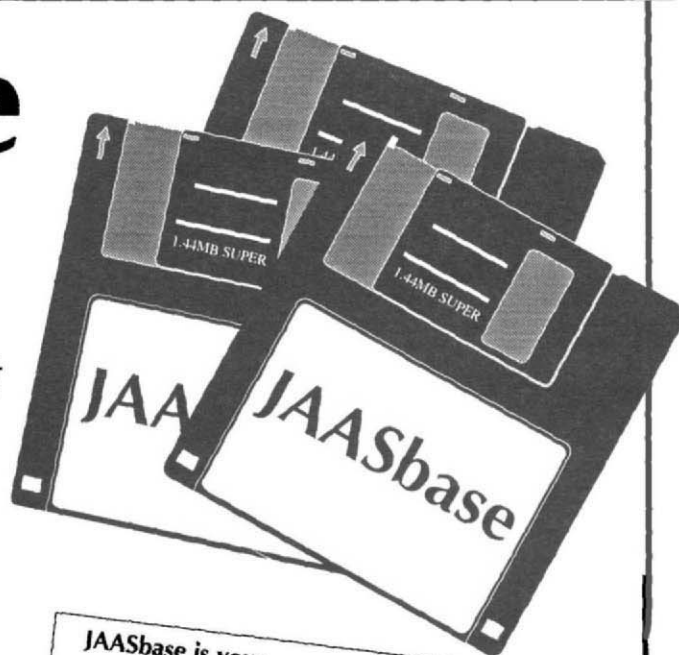
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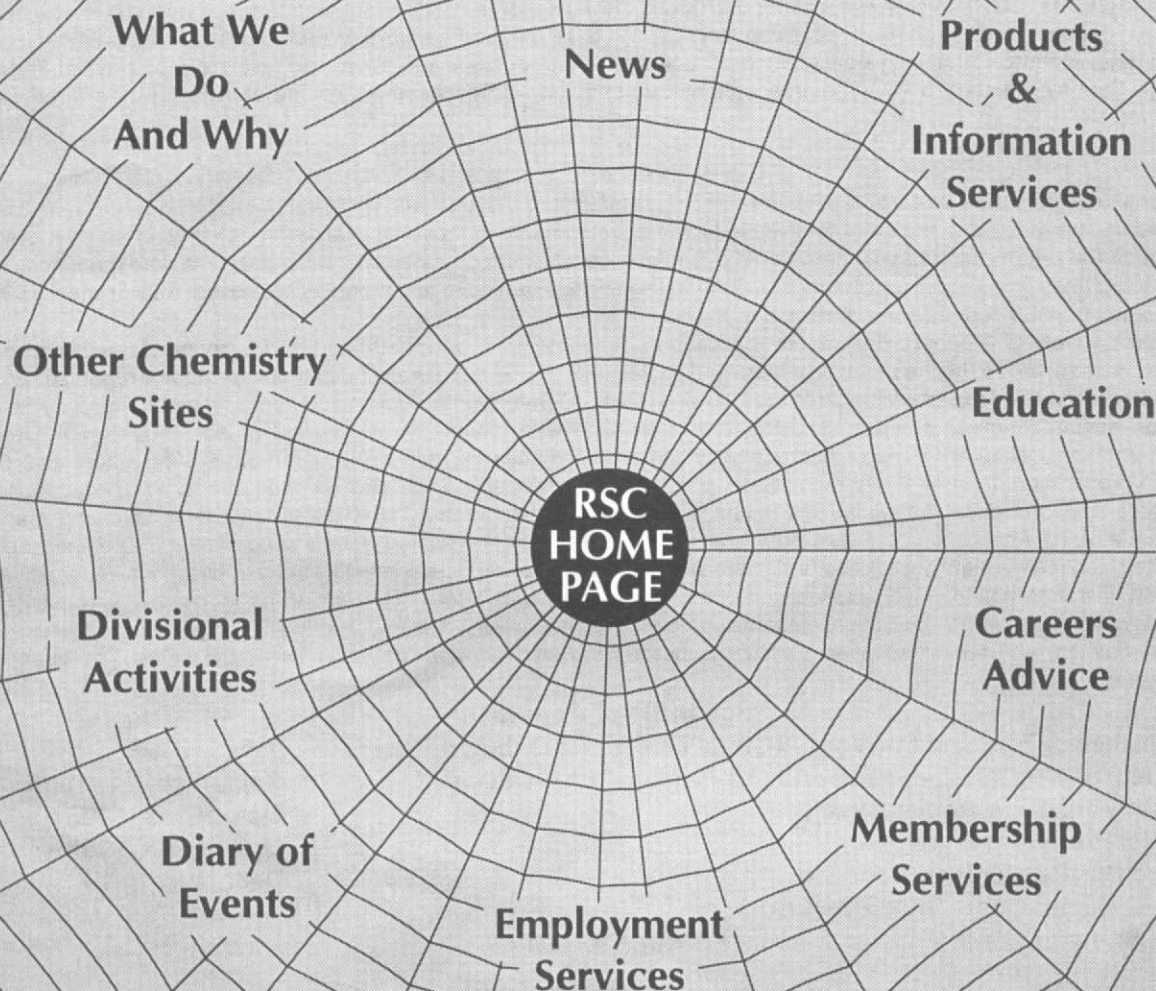
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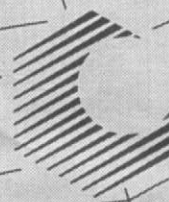
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1996 Winter Conference on Plasma Spectrochemistry Fort Lauderdale, Florida, January 8 - 13, 1996

The 1996 Winter Conference on Plasma Spectrochemistry, ninth in a series of biennial meetings sponsored by the *ICP Information Newsletter*, features developments in plasma spectrochemical analysis by inductively coupled plasma (ICP), dc plasma (DCP), microwave plasma (MIP), and glow discharge (GDL, HCL) sources. The meeting will be held Monday, January 8 through Saturday, January 13, 1996 at the Bonaventure World Conference Center in Fort Lauderdale, Florida. Continuing education short courses at introductory and advanced levels will be offered Friday through Sunday, January 5 - 7. Spectroscopic instrumentation and accessories will be shown during a three-day exhibition.

Objectives and Program

The continued growth in popularity of plasma sources for atomization and excitation in atomic spectroscopy and ionization in mass spectrometry and the need to discuss recent developments of these discharges in spectrochemical analysis stimulated the organization of this meeting. The Conference will bring together international scientists experienced in applications, instrumentation, and theory in an informal setting to examine recent progress in the field. Approximately 500 participants from 25 countries are expected to attend.

Approximately 300 papers describing applications, fundamentals, and instrumental developments with plasma sources are expected to be presented in lecture and poster sessions by more than 200 authors. Symposia organized and chaired by recognized experts will include the following topics: 1) Sample introduction and transport phenomena, 2) Flow injection spectrochemical analysis, 3) Elemental speciation with plasma/chromatographic techniques, 4) Plasma instrumentation, including chemometrics, expert systems, on-line analysis, software, and remote-system automation, 5) Sample preparation, treatment and automation, 6) Excitation mechanisms and plasma phenomena, 7) Spectroscopic standards and reference materials, 8) Plasma source mass spectrometry, 9) Glow discharge atomic and mass spectrometry, 10) Applications of stable isotope analyses, and 11) Laser-assisted plasma spectrometry. Six plenary and 18 invited lectures will highlight advances in these areas. Afternoon poster sessions will feature applications, automation, and new instrumentation. Five panel discussions will address critical development areas in sample introduction, instrumentation, elemental speciation, plasma source mass spectrometry, and novel software and hardware directions. Plenary, invited, and submitted papers will be published in Fall 1996 after peer review as the official Conference proceedings.

Schedule of Activities

Preliminary Title and 50-Word Abstract Due for Contributed Papers	July 3, 1995
Exhibitor Booth Reservation and Pre-Registration Deadline	September 11, 1995
Conference Pre-Registration	October 13, 1995
Hotel Pre-Reservation	October 13, 1995
Late Pre-Registration Deadline	December 8, 1995
1996 Winter Conference Short Courses	January 5 - 7, 1996
1996 Winter Conference on Plasma Spectrochemistry	January 8 - 13, 1996

Further Information

For further information, return this form to 1996 Winter Conference on Plasma Spectrochemistry, %*ICP Information Newsletter*, Department of Chemistry, Lederle GRC Towers, University of Massachusetts, Box 34510, Amherst, MA 01003-4510 USA. ATTN: Dr. Ramon Barnes, Conference Chairman, Telephone (413) 545-2294, Telefax (413) 545-4490.

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1996 WINTER CONFERENCE ON PLASMA SPECTROCHEMISTRY

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