

## REPORT OF THE COMMITTEE ON INTERNATIONAL PROGRAMS AND DEVELOPMENT: 2005 AUDIT OF ADA INTERNATIONAL ACTIVITIES

**Background:** The Committee on International Programs and Development (CIPD), under whose purview all Association international programs fall, is charged by the Board of Trustees to inventory all international endeavors of the American Dental Association and to publish this inventory periodically as the “Audit of ADA International Activities.” The following constitutes the 2005 Audit of ADA International Activities arranged alphabetically by Division.

### Administrative Services

#### *ADA Health Foundation*

In August 2002, the ADA Foundation broadened its funding criteria to include international charitable projects when designated funds have been donated or granted in advance. Subsequently, the International Development Fund was established within the ADAF. This fund is managed by the Center for International Development and Affairs to support international development work which to date has sponsored two symposia on volunteer services abroad and the ongoing Cambodia Project to develop the public oral health sector in that country. Following the devastation of the December 2004 tsunami in Southeast Asia, monies were collected from the profession to support relief efforts through the International Red Cross. Also in reaction to this disaster, the ADA Foundation established its Disaster Response Fund in order to be more prepared in the future to conduct domestic and international relief efforts.

#### *Center for International Development and Affairs (CIDA)*

**Health Volunteers Overseas/Dentistry Overseas:** A volunteer member service program managed through the ADA/HVO Steering Committee of eight volunteers appointed as consultants by the Committee on International Programs and Development (CIPD), the program’s mission is to improve oral health care through the education and training of local personnel. Staff manages the Committee’s operations, including meetings, minutes, reports and budget, coordinating these activities with Health Volunteers Overseas, a private not-for-profit, umbrella organization for volunteer health services.

The HVO/DO sites are currently located in Cambodia, China, Nicaragua, St. Lucia and Vietnam. One of the Cambodian projects, which is soon to expand into Laos, is run in cooperation with the Cambodian Dental Association and the University of Health Sciences in Phnom Penh and aims to train dental students and faculty in skills critical to population-based health strategies. This program, since its inception, has been generously underwritten by the International College of Dentists (ICD), USA Section Foundation.

In 2004, CIDA staff in collaboration with the members of the Dentistry Overseas Steering Committee published the third edition of *International Dental Volunteer Organizations: A Guide to Service and a Directory of Programs*, a how-to book for ADA members interested in volunteer work and a directory of organizations seeking volunteers for service programs abroad. CIDA is also working with CAPIR to develop a volunteer symposium in conjunction with the 2006 Annual Session. The symposium based on two previous ones held during the annual sessions will be expanded to include volunteering at home as well as abroad. This symposium is partially funded by the Pierre Fauchard Academy (PFA) and ADA Foundation.

CIDA is an active member of the Global Health Council whose annual meeting in 2005 drew over 2,000 attendees representing more than 70 countries and was based on the theme of *Health Systems: Putting Pieces Together*. The ADA gave a poster presentation, *A Strategy for Infectious Disease Prevention in Dentistry* at this meeting (see additional information under Science area). In general, the Global Health Council advocates

for health issues, building alliances and communicating experiences and best practices to the international community.

**Certificate of Recognition for Volunteer Services in a Foreign Country:** Since 1974, the ADA has annually recognized the volunteer service of its members, through the Certificate of Recognition program. Each year CIDA solicits nominations for recognition of volunteer service abroad from dentists, constituent and component societies and dental schools. These nominations are reviewed by the ADA/HVO Steering Committee and forwarded to the Committee on International Programs and Development for approval. In 2005, the Committee awarded certificates to 77 volunteers from 25 states including 12 volunteers from the HVO/DO program.

**FDI World Dental Federation:** The ADA, along with more than 160 other national dental associations with a combined membership of over 700,000 dentists worldwide, is a regular member of the FDI whose mission is to represent dentistry at the international level. The ADA is represented by the ADA/FDI Delegation, appointed by the Board and President, and meets at the Annual FDI World Dental Congress in a General Assembly of members which is analogous to the House of Delegates at the ADA annual session. Within the FDI governance structure five ADA members currently hold elective offices on the FDI's Council and Committees. The ADA Pavilion made its international debut at the 2005 FDI World Dental Congress which was held in Montréal, Canada in August (see International Business Plan). The delegation's activities are managed through CIDA which also conducts the day-to-day interactions of the Association with the FDI and affiliated organizations.

**International Development Fund:** Established in 2003 through the ADA Foundation, the International Development Fund was created to underwrite international development work. Monies to the fund are earmarked for specific projects and managed by CIDA. To date the fund is used for the Cambodia project through grants from ICD and the volunteer symposium through a grant from PFA.

In response to the horrific tsunami that devastated much of the coastal regions around the Indian Ocean in 2004, the ADA established a special International Disaster Response Fund. Responding to a request from the Sri Lankan Dental Association, which had many volunteers but no means of transportation nor intact clinics to address oral health needs in isolated areas of their country, the ADA partnered with Dentaaid, a British based NGO that reconditions dental equipment and constructs mobile dental units, to provide a mobile unit for use in these areas. Funds are available for further relief in this region and staff are working on other proposals with reliable 'in country' organizations.

The International Web page of ADA.org is managed by CIDA and provides another avenue for reaching the international community. Maintained on the site are directories of foreign dental associations, international organizations and a calendar of international dental meetings and events as well as links to the FDI and information about ADA international programs. In 2005, CIDA initiated a proposal to develop and put on line Spanish translations of ADA materials. The plan was accepted and financial resources allocated to the creation of a Spanish Web page within ADA.org. Working together, CIDA and Communications have been coordinating the translations for the Spanish Web page, which is scheduled to launch in early 2006.

*ADA News* provides CIDA a major venue to communicate to ADA members issues of concern to the international community as well as give information about ongoing programs within the department. Staff works closely with an ADA reporter to develop stories on international topics.

CIDA continues to maintain ties with the Council on ADA Sessions (CAS), coordinating the activities of all international registrants and events with special attention to ADA Honorary Members. In 2005, 766 internationals registered for the Philadelphia meeting representing 66 countries. CIDA promotes the annual session through ads, both purchased and exchanged, issues letters of invitation and certificates of attendance. CIDA also works with CAS to develop promotional material for the international audience and CIDA writes

the content for the “International section” of the preliminary program. On site, CIDA manages the international registration area, hospitality center, office and social events, and staffs the FDI kiosk within the ADA Pavilion to promote international issues.

**International Business Plan:** The International Business Development (IBD) staff work group, which comprises staff from 11 divisions and departments, was formed in 2003 to initiate a cohesive program of international business initiatives and to allow the ADA to become more active in global dentistry. In order to achieve these goals, the IBD work group has been seeking opportunities that will enable it to provide valuable resources to the international dental community and simultaneously enhance its global presence through a combination of non-revenue- and revenue-generating strategies. The international business plan, launched in May 2005, was created to serve as a guide for spearheading the multifaceted elements of those international business activities. This three-year effort creates a structured strategic plan by which the international goals and objectives of the ADA can be attained so as to reach the vision of having the ADA become a global leader in the advancement of oral health.

**International Business Activities:** CIDA oversees the activities of the IBD work group and its subgroups in order for the various departments of the Association to work synergistically toward achieving the goals of the international business plan. In order to foster a cohesive international image, CIDA worked with members of the IBD work group to create the international “Shared Global Resources” logo for the Association.



The department coordinates all foreign language translations of written and electronic communications of the Association and offers advice on not only the translation of content, but other cultural factors pertinent to the promotion of that material in foreign markets. Examples include the 2006 Las Vegas Annual Session multilingual promotional piece that was translated into French, Portuguese, and Spanish and the Affiliate membership marketing brochure.

CIDA also has strong relationships with several foreign and international organizations and seeks to build further relationships with others for the purposes of mutual collaborative opportunities. These relationships have led to the signing of *Letters of Understanding* with the Brazilian Dental Association (ABO), the São Paulo Dental Association (APCD) and Koelnmesse, organizers of the IDS and IDEM dental meetings. A contract was also signed with Suvison Europe S.R.L., who will use their extensive knowledge of the international dental market to help the ADA connect with international manufacturers and importers. As for the ADA presence in the international dental markets, CIDA managed the planning, staffing, and logistics of the first international ADA pavilion during the FDI Congress in Montréal and will continue to play an important role in future ADA pavilions at international meetings.

Under the direction of the CIPD in 2005, CIDA began collecting research on China and organized a panel discussion of speakers to enhance the ADA’s knowledge of China and the dental industry in China. As China becomes a major player in the world economy, there may be a major collaborative role for the ADA to play in China.

## **Communications and Corporate Relations**

*Department of Marketing Communications*

In January 2006, the ADA launched “En Español” in the “Your Oral Health” public area on ADA.org. “En Español” will contain approximately 50 A-Z Topics for dental patients that were translated by the Hispanic Dental Association and “ADA Dental Minute” public service TV announcements created for the Hispanic market.

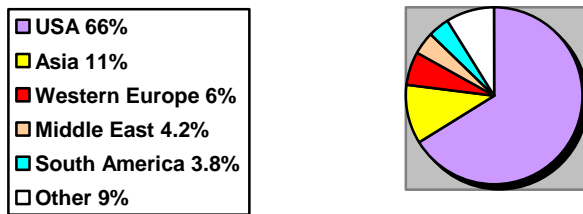
Articles from Canadian dental publications have been abstracted or reprinted for the *Dental Editor's Digest*.

### Visits & Visitors to ADA.org

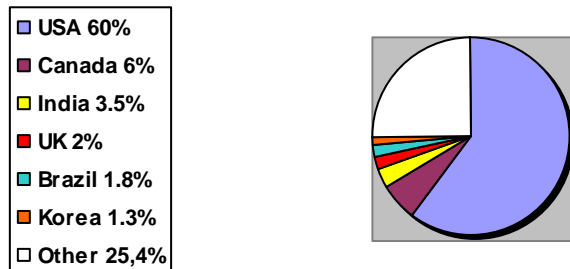
- The international section averages 7,000 visitors per quarter, 6,500 (93%) of those visitors are unique (i.e., visited only once). 7% are repeat visitors.
- Of the average 7,000 visits to the section, 40% are International and 60% from the U.S.
- The average length of a visit is four minutes. This is considered rather high, and it means visitors are reading the content.
- There is a consistent average of 100 visits to the section weekdays and weekends.
- Of the 5,000 average visits to the International landing page, 60% of those are single-page visits (exit page). This means they did not drill down for any more content, and the reject rate for the rest of the section content is high. However, the average visit is 2.5 minutes, which indicates that the visitors are reading the content on that page.
- 16.5% of the visits to ADA.org as a whole are from outside the U.S.
- The International Dentists-Frequently Asked Questions (Licensure Section) received 3,300 visits in third quarter (The page was not created until Q3).

### Geography

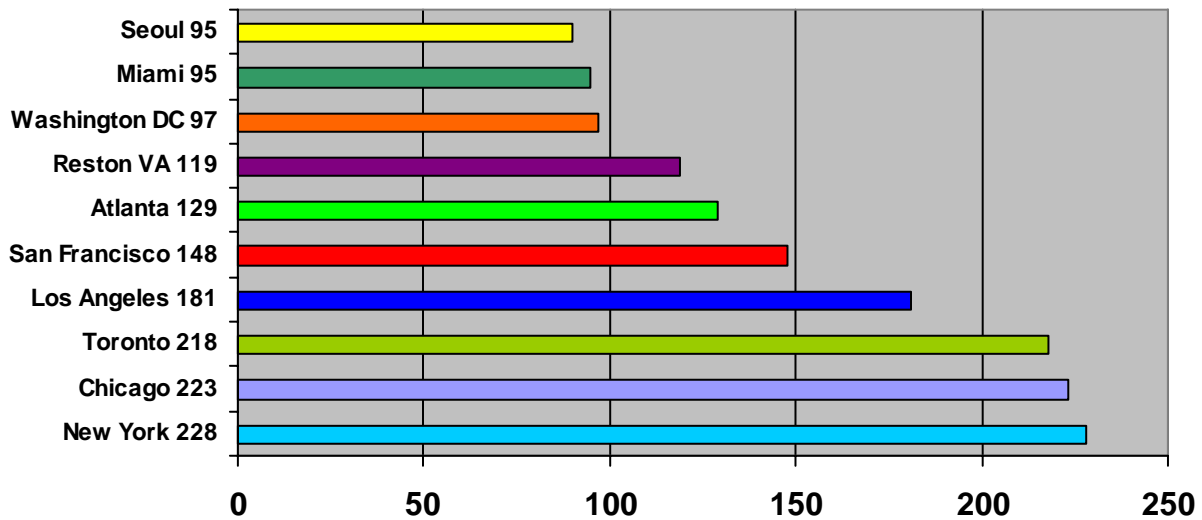
#### Top 5 Regions by Percent of Visits



#### Top 6 Countries by Percent of Visits



## Top 10 Cities and Number of Hits



## Page Rank (Q2/3 Average)

- Out of 2,285 pages on the site, the International landing page averages 130<sup>th</sup>, or in the top 6% and the secondary pages average 450<sup>th</sup>, or in the top 20% of all the pages on the site.

## Referrers

A referring site is a web site that refers a visitor to your site by linking to it. Knowing who the referrers are is important because that can help determine where to promote your site.

- 65% of the visits to the International section come from ADA.org itself. 20% of those come directly from the Home Page, and 7.5% come from the ADA section landing page.
- 9% come from Google.com, another 2% come from Google.ca (Canada).
- After the launch of the on-site Google Search feature on ADA.org in July, 6% of the visits have come from the Search Results page.
- An average of 5% are Direct Visits, which come from typing in the URL directly into the browser, bookmarks or links in an e-mail.

## *Department of Media and Creative Services*

The Department of Media & Creative Services is contacted from time to time by international press (i.e., BBC) and credentials international press through the Association's Press Office at the annual session each year.

Staff has worked with the Canadian Dental Association in the past on specific issues such as dental amalgam.

The distribution list for media materials includes dental journalists from other countries, and sometimes the department provides public education videos to dentists or dental organizations in places such as Panama.

The programs do not include participation in global/international conferences, or engaging in international revenue-generating activities.

## Conference and Meeting Services

### *Council on ADA Sessions*

CAS works closely with CIDA to coordinate the international aspects of the annual session meeting, including international registration, content for the preliminary and official programs, the international hospitality lounge, the international reception, and various international promotional efforts. In 2005, 766 internationals registered for the Philadelphia meeting representing 66 countries.

In an effort to attract more international attendees to the 147<sup>th</sup> Annual Session in Las Vegas, CAS and CIDA developed an international promotional brochure, which was translated into French, Portuguese and Spanish. This brochure debuted at the ADA Pavilion during the FDI Congress in Montréal, Canada. Approximately one thousand of these brochures were distributed at this meeting. The ADA also conducted a survey there to learn more about global dentistry. Those who participated in the survey received two luggage tags, which had printed on them the dates and locations of the next four annual session meetings along with the *Shared Global Resources* logo. In addition, two advertisements promoting the 2006 Annual Session in Las Vegas were placed in the *Worldental Daily*, the official FDI Congress daily newspaper.

Additional promotional brochures were distributed courtesy of Suvison Europe S.R.L at the Expodental Meeting in Milan, Italy and the ADF dental meeting in Paris, France.

Further efforts to attract more international attendees to the annual session meeting include:

**Brazil Registration Program & Contract with the APCD (São Paulo Dental Association) & ABO (Brazilian Dental Association):** In 2005, a *Letter of Understanding* was signed with both the APCD and the ABO with the goal of increasing Brazilian attendance at the annual session and to foster even better relationships between the ADA and these two associations.

**Advertisement Exchanges:** The international business development (IBD) work group negotiated advertisement exchanges with Koelnmesse, organizers of the IDEM 2006 dental meeting, Dental South China Expo, and Dentalexpo Dental Salon Moscow. These exchanges will allow CAS to place complementary 2006 Annual Session Las Vegas ads in these organizations' official show programs.

**Partnership with Suvison Europe S.R.L.:** A major goal of CAS over the next several years is to attract more international visitors, which in turn, should help attract more international exhibitors. Efforts are being made to attract the international dental professionals, but few resources have been invested to target the international manufacturers, dealers, and importers. Under the terms of this collaboration, Suvison, acting as the ADA's *International Promotional Representative*, will tap into its extensive international network of contacts to initiate a targeted strategy to promote the ADA Annual Session and other products and services of the ADA to the international dental manufacturing and importer market.

## Dental Practice

### *Center for Continuing Education and Lifelong Learning*

International and national dental organizations may schedule clinical and practice management seminars through the Center for Continuing Education and Lifelong Learning (CELL) Seminar Series. In 2005, two CELL speakers were invited to the FDI.

### *Council on Access, Prevention and Interprofessional Relations*

Staff has provided technical assistance regarding hospital dentistry to organizations and individuals in Spain, Turkey and Japan.

In 2005, for the revision of *Fluoridation Facts*, 13 international organizations were contacted and agreed to be listed in the compendium of entities that "recognize the public benefits of community water fluoridation for preventing dental decay."

The British Fluoridation Society (BFS) and the Council have a long-standing relationship and the BFS is linked to ADA.org.

The Council has a long-standing relationship with the Australian Dental Association and the AuDA is linked to ADA.org. ADA staff met with representatives from the Australian Dental Association at ADA Headquarters in August 2005.

In July 2005, the ADA, in conjunction with the CDC, sponsored the National Fluoridation Symposium which was attended by 36 individuals from seven foreign countries.

Council staff has provided fluoridation technical assistance to organizations, entities and individuals from Australia, Canada, Ireland, Japan, South Korea and New Zealand.

In 2006, the ADA representatives will attend the **13th World Conference on Tobacco OR Health** in Washington, D.C. The ADA is one of a number of sponsors of this international meeting.

#### *Council on Dental Benefit Programs*

The Council has no direct international projects or activities apart from the occasional international inquiry, e.g., the South African Dental Association regarding use of the ADA Code on Dental Procedures and Nomenclature. The FDI, Iceland and Turkey have expressed interest in the diagnostic codes known as SNODENT, but no formal projects are currently underway.

#### *Council on Dental Practice*

Licensed the Periodontal Screening and Recording Program (PSR) to Canada and have had recent inquiries about licensing arrangements for this program from Brazil and Germany.

The Annual Dental Assistants Recognition Week is co-sponsored by the ADA, the Canadian Dental Association and the Canadian Dental Assistants Association.

Staff attended and presented at the International Conference on Physician Health, Oak Brook, Illinois, October 2004.

Have provided resource information on ADA Dentist Well-Being Programs to providers of dentist assistance services in Canada, the U.K. and Germany.

#### *Department of Dental Informatics*

The Department has limited involvement in international activities apart from responding to international inquiries from ADA.org. Staff participates in international standards development through the International Organization for Standardization (ISO) TC 215 Committee on Health Informatics. This Technical Committee is establishing international standards in messaging and communications, terminology, security and health cards. (See ISO, page 21.)

## **Education**

### *Commission on Dental Accreditation*

Since 1956 the Commission on Dental Accreditation has had a reciprocal agreement with the Commission on Dental Accreditation of Canada. This arrangement was reaffirmed in a policy statement approved in 1997. Under this arrangement, the Commissions agree that the educational programs accredited by the other agency are equivalent to their own and no further education is required for eligibility for licensure.

Since July 1998 the Commission has granted accreditation to three advanced education in general dentistry (AEGD) programs in international locations. One program is sponsored by the Army and is located in Germany. The other two are sponsored by the Navy and are located in Japan (a fee is charged to the U.S. military to offset these site visit expenses).

The Commission periodically receives inquiries or requests for accreditation of international dental schools and has recently developed a business plan to initiate a program for international accreditation. In July 2005, the Commission decided to initiate a program for consultation and accreditation of international dental education programs, and has requested the ADA's support for this initiative.

### *Council on Dental Education and Licensure*

Council on Dental Education and Licensure produces the publication, *United States Licensure for International Dentists*. This publication is designed specifically for foreign-trained dentists who wish to come to this country to practice or for advanced education.

The Council's long-term licensure initiatives for the next five to ten years include studying issues associated with licensure for international dentists and review of Association policy regarding international dental graduates.

The Council maintains an on-going relationship with the Canadian Dental Association's Council on Education. Representatives attend each other's meetings annually and provide written reports.

Since 2002, eligibility for participation in the ADA CERP (Continuing Education Recognition Program) has been open to internationally based continuing education providers. To date, two international organizations have been recognized.

### *Joint Commission on National Dental Examinations*

In 2004, 2,782 internationally trained dentists took Part I of the National Board Dental Examination and 1,354 took Part II of this examination. Approximately 547 took the Dental Hygiene Examination. To date all examinations have been conducted within the U.S. but beginning September 1, 2005, the Joint Commission offers computerized testing for the National Board Dental Examination in Canada. The department annually receives inquiries and provides limited consultation to internationally based organizations interested in developing or administering tests similar to the Dental Admission Test (DAT) or the National Board Dental Examination.

### *Library Services*

The ADA Library offers some services to affiliate members, though few use them. Library staff respond to e-mail inquiries from non-member international dentists, usually referring them to the National Library of Medicine's MEDLINE/PubMed site.

The Library frequently receives visiting international dentists. Staff from the Canadian Dental Association (CDA) and the British Dental Association (BDA) have met with ADA Library staff by request to see how

ADA provides library services to members. Both CDA and BDA maintain libraries, but differ from the ADA Library somewhat in services, fees and copyright restrictions.

### **Finance**

#### *Council on Member Insurance and Retirement Programs*

Occasionally responds to requests for information from national and international dental associations or schools about trends in dental malpractice in the U.S. (e.g., Iran, Japan, New Zealand and the U.K.).

Communicates regularly with the Canadian Dental Service Plans, which is the administrator of the Canadian Dental Association sponsored insurance programs.

### **Health Policy Resources Center**

Under the administration and direction of the Health Policy Analysis Department, the *Future of Dentistry* report was completed and disseminated among various communities of interest, including international dental organizations and agencies.

The department has access to the interactive database called *Organization for Economic Cooperation and Development* (OECD). The data are updated as they become available through the OECD Washington Center. Currently, this database has health-related data from 1960 to 2000 for 30 countries. Although not all data are available for all countries or all years, where data are available, comparative analysis of up to 30 countries is possible. Examples of dental variables that are included within this database are: decayed, missing, and filled permanent teeth (DMFT), edentulism, practicing dentists, expenditures on dental services and dentists' average incomes.

## *Survey Center*

Over the years, the Survey Center (SC) has increased its reach to the international market. In 2004, over \$6,000 in publication sales were achieved there. In addition, the SC conducts the annual *Survey of Predoctoral Dental Educational Institutions* for the Canadian Dental Association. Canadian dental school results are published in the report series along with the information received from dental schools in the USA.

## **Information Technology**

### *Salable Materials*

The Department of Salable Materials markets and distributes catalog products to the international community via the e-catalog and re-seller programs. Products offered to international customers include practice management, patient education and continuing education products.

In 2005 a new line of downloadable practice management products were launched to offer international customers the opportunity to purchase and download ADA products immediately and avoid the high cost and long delivery times of international shipments.

Products are marketed via display advertising in international journals and exhibits at international dental meetings.

The ADA continues to seek re-sellers to translate, market and distribute ADA products in key international markets. In 2005, re-seller agreements were signed covering Great Britain, Canada and Japan. In 2006, re-sellers will be sought for Australia, Germany, Brazil and the Gulf Region.

### *Standards Administration*

The American Dental Association, as the international leader in the development of standards and guidelines impacting the practice of dentistry and the safety and health of the public, participates in several international standards activities.

ISO Technical Committee 106: The Association sponsors the U.S. participation in activities of the International Standards Organization's Technical Committee (TC) 106 on Dentistry through the U.S. Technical Advisory Group (TAG) to ISO/TC106. The Council on Scientific Affairs provides the ADA's technical expertise to the U.S. TAG.

An international, non-governmental organization, ISO's objective is the development of worldwide standards. The American National Standards Institute (ANSI) is its U.S. member and has designated the Association as sponsor and secretariat of the U.S. TAG which is responsible for recommending the U.S. position on all international dental standards and their development. The trend towards the global harmonization of standards demands that all dental products comply with the requirements of these international standards. U.S. dental manufacturers who market their products in Europe as well as European products sold in the United States since June 1998 have had to meet the requirements of the ISO standards.

U.S. TAG for ISO/TC106: The U.S. TAG consists of seven sub-TAGs, which are responsible for a particular category of standards: Subcommittee 1, *Restorative Materials and Orthodontic Products*; Subcommittee 2, *Prosthodontic Materials*; Subcommittee 3, *Terminology*; Subcommittee 4, *Instruments*; Subcommittee 6, *Equipment*; Subcommittee 7, *Oral Hygiene Products*; and Subcommittee 8, *Implants*.

ISO Technical Committee 215:ISO/TC215 provides standardization in the field of information for health, and Health Information and Communications Technology (ICT) to achieve compatibility and interoperability

between independent systems, to ensure compatibility of data for comparative statistical purposes (e.g. classifications) and to reduce duplication of efforts and redundancies. The Association played an integral role in the development of this ISO Technical Committee, which is becoming increasingly more important as electronic technology standards are developed globally. The Council on Dental Practice provides technical expertise on dental issues that arise from ISO/TC215.

ANSI Board of Directors International Committee: Association staff participates on the International Policy Committee and the ISO Policy Committee of the ANSI Board. These committees develop U.S. policy on the international activities of ANSI as well as policies for Secretariats of the U.S. TAGs.

International inquires: Respond to periodic requests for standards and guidelines from other countries.

## **Membership and Dental Society Services**

### *Department of Membership Marketing*

As directed by the Council on Membership, the department is responsible for the recruitment of Affiliate members. The department produces a brochure titled *Making Connections* that is distributed via mail and at the Membership Resources kiosk at the ADA Pavilion at Annual Session and FDI Meetings. There were 782 members in this category in 2004.

### *Department of Dental Society Services*

Officers and executive directors of Canadian dental associations have joined their colleagues from ADA, plus constituent and component dental associations, for the annual Management Conference.

The department is a contact point for dental associations from other countries seeking information on U.S. organized dentistry and the ADA.

### *Department of Membership Services*

As part of the ADA Tour Program, department staff conducts tours of the ADA Headquarters Building in Chicago for international visitors, including member dentists and health professionals. Tours have been given for visitors from a variety of locales, including South Korea, England and Australia.

## **Publishing**

### *Journal of the American Dental Association (JADA)*

Currently, *JADA* publishes a Portuguese edition distributed in Portugal. Seven new editions are in progress for a 2006 launch: South Korean, India, Japan, Spain, Germany, Poland and Turkey. Publishing receives a royalty for licensing of content to foreign publishers. The Brazil Dental Association (ABO) will be offering to its members a 30% discounted subscription to the U.S. edition on a request basis and if subscription sales exceed 1,000, the ABO will receive a 3% royalty incentive. The number of International, non-member subscriptions for *JADA* is 825 and *ADA New* is 63.

From a paper based-system to electronic distribution, e-*JADA* will be a leading gateway resource in dentistry via a new site license program for Libraries, Governmental Agencies, Hospitals and Corporate markets. While *JADA ONLINE* has been available on a pay-per-view basis since 1998 to non-members, soon open access to the public of all content one year after publication (1995-2005) will be available.

An International Editorial Board that includes recognized researchers from South Africa, Mexico, Great Britain, Japan, Sweden, Israel, Switzerland and Hong Kong has been created. *ADA News* is the main conduit for information about the FDI World Dental Federation and other international news and meetings of interest to ADA membership.

The Spanish-language edition of the *ADA Guide to Dental Therapeutics* has sold over 1,200 copies in Spain.

## **Science**

The Division of Science is internationally active through its departments as well as through the ADA Foundation's Paffenbarger Research Center and the Research Institute. The activities include participating in scientific meetings of the FDI World Dental Federation, International Association for Dental Research (IADR), International Organization for Standardization (ISO) and Global Health Council. In addition, the Division of Science maintains scientific liaison with national dental associations. In collaboration with international scientists, the Division of Science also conducts research and publishes scientific papers.

### *FDI World Dental Federation*

The ADA and the Division of Science is represented by Dr. P.L. Fan on the Science Committee of the FDI World Dental Federation. Dr. Fan prepares Science Committee reports for publication in the *International Dental Journal*, as well as science statements for review and adoption by the FDI General Assembly.

The FDI Science Committee currently has 14 projects:

1. Adverse reactions to resin-based materials
2. Criteria for clinical testing of dental restorative materials
3. Index systems for caries epidemiology and treatment
4. Sucrose substitute and their role in caries prevention
5. Root canal medicaments
6. Diagnostic techniques for oral cancer
7. Endorsement of the WHO ICIDH-2 system
8. Classification of lesions of the clinical crown
9. Amalgam waste
10. Monitoring of vital signs during dental care
11. Root surface caries in adults
12. The impact of environmental pollutants on tooth development
13. The consequences of edentulousness on health
14. Local adverse effects of amalgam restorations

At the 2005 FDI World Dental Congress in Montreal, staff of the Division of Science participated in scientific workshops and discussions at the General Assembly. Staff also provided input to the U.S. Delegation on scientific issues, and met with the international manufacturers group.

### *International Association for Dental Research*

The Division regularly communicates with IADR, including a request for the IADR executive director to attend the meetings of the Council on Scientific Affairs.

At the 2005 meeting of the International Association for Dental Research, staff of the Division of Science presented 25 research abstracts. Abstract topics included calcium phosphate systems for remineralization,

tissue engineering, cements, and composites; fluoride delivery systems; adhesive bonding materials; oral bacteria and cardiovascular disease; dental aerosols; and amalgam waste.

#### *Global Health Council*

A research abstract was presented at the 2005 meeting of the Global Health Council describing a strategy for infectious disease prevention using the ADA Foundation's Health Screening Program (HSP). The HSP has collected health data on more than 30,000 dental professionals over 20+ years by monitoring their exposure to bloodborne pathogens such as HBV, HCV and HIV. Data collected by HSP are used by the ADA and public health agencies in the United States to develop practice guidelines to ensure safe dental treatment for patients and for protection of dental professional.

#### *Collaborative Research and Scientific Publications with International Scientists*

Paffenbarger Research Center staff conducted a clinic study on pulp capping composites in collaboration with the University of São Paulo-Bauru, Brazil.

Paffenbarger Research Center staff co-authored papers with scientists from France, Spain, China, Israel, Japan and The Netherlands.

In 2005 the Paffenbarger Research Center hosted visiting scientists from Brazil, China, Japan, Korea and Spain.