

Member Services Department

Susan Hamlin, Director



Outline

- * **Staff**
- * **Membership Statistics**
- * **Association Business**
 - ▶ Bylaws Updates
 - ▶ Elections
- * **Communications**
- * **Training**
- * **Meetings**

Staff



★ Jason Byrne – Communications Editor

- ▶ Website design & content, newsletter, annual report, general communications, training program development

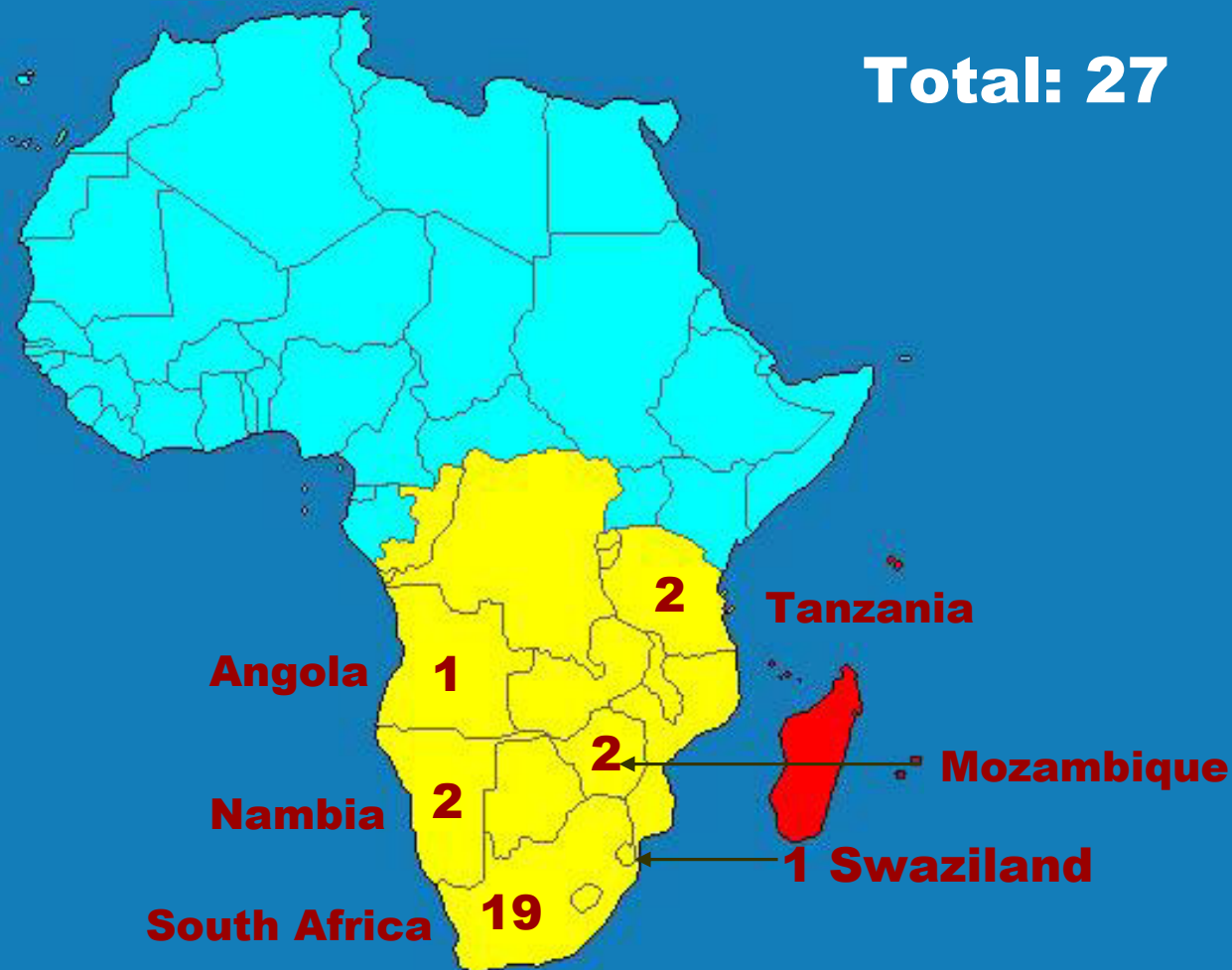
★ Megan Kruse – Member Services Assistant

- ▶ Website content, general communications, elections administration, training program development

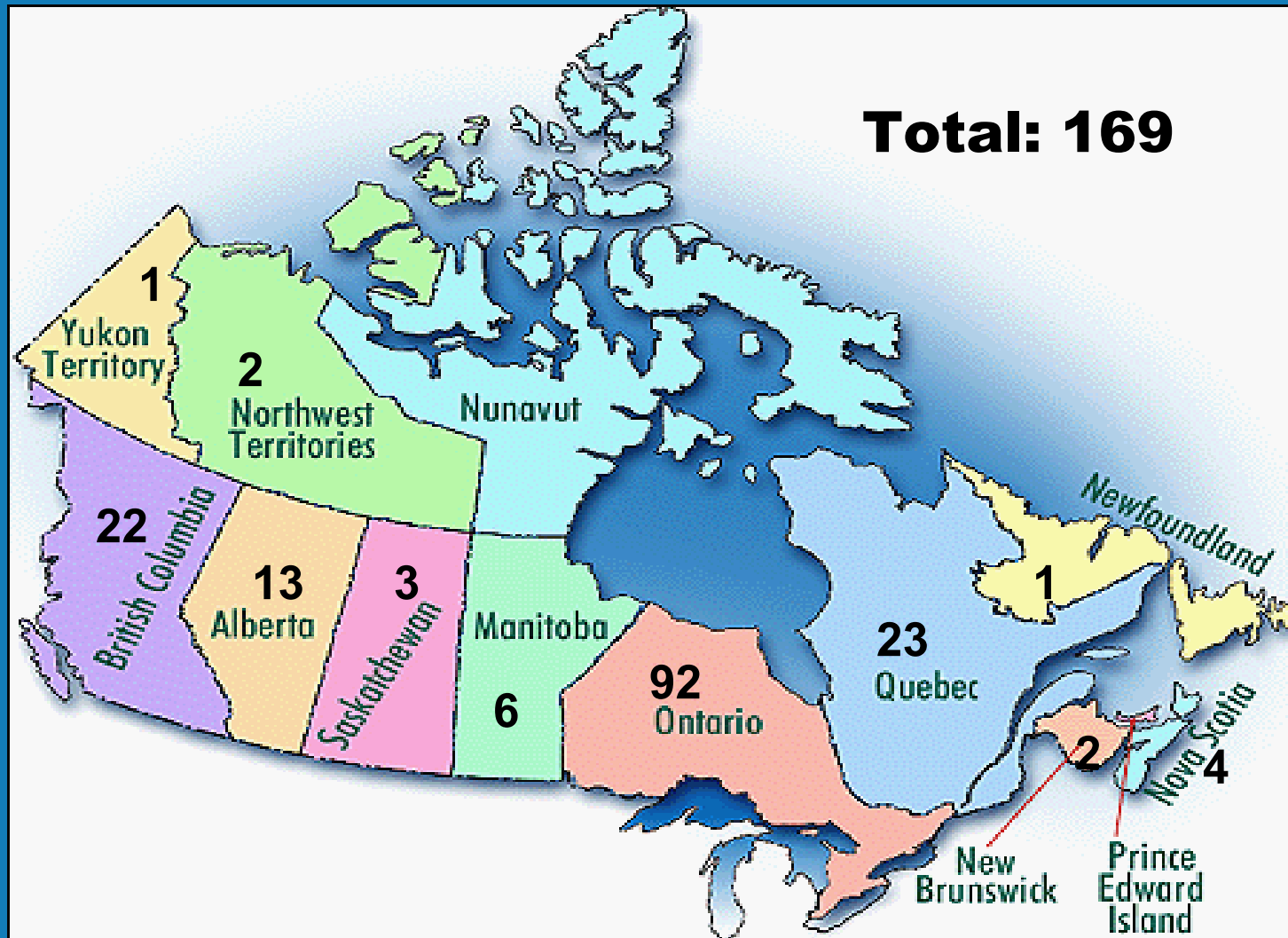
★ Ed Pizzarello – Event Coordinator

- ▶ Biannual meetings, membership role account and database, liaison with Billing and Registration Services Departments

Members in Africa



Members in Canada



Members in the Caribbean



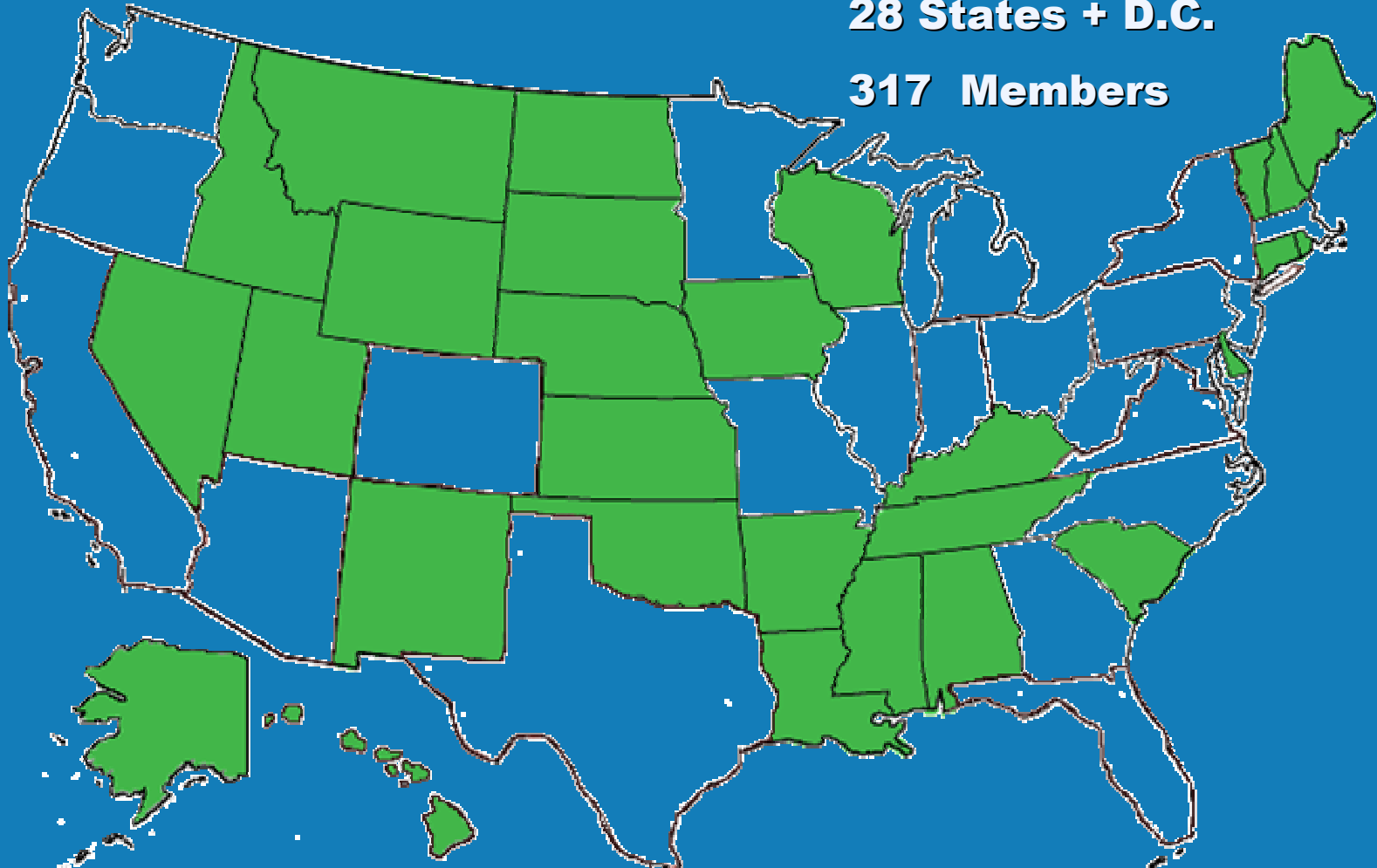
Total 19



U.S. States with < 25 Members

28 States + D.C.

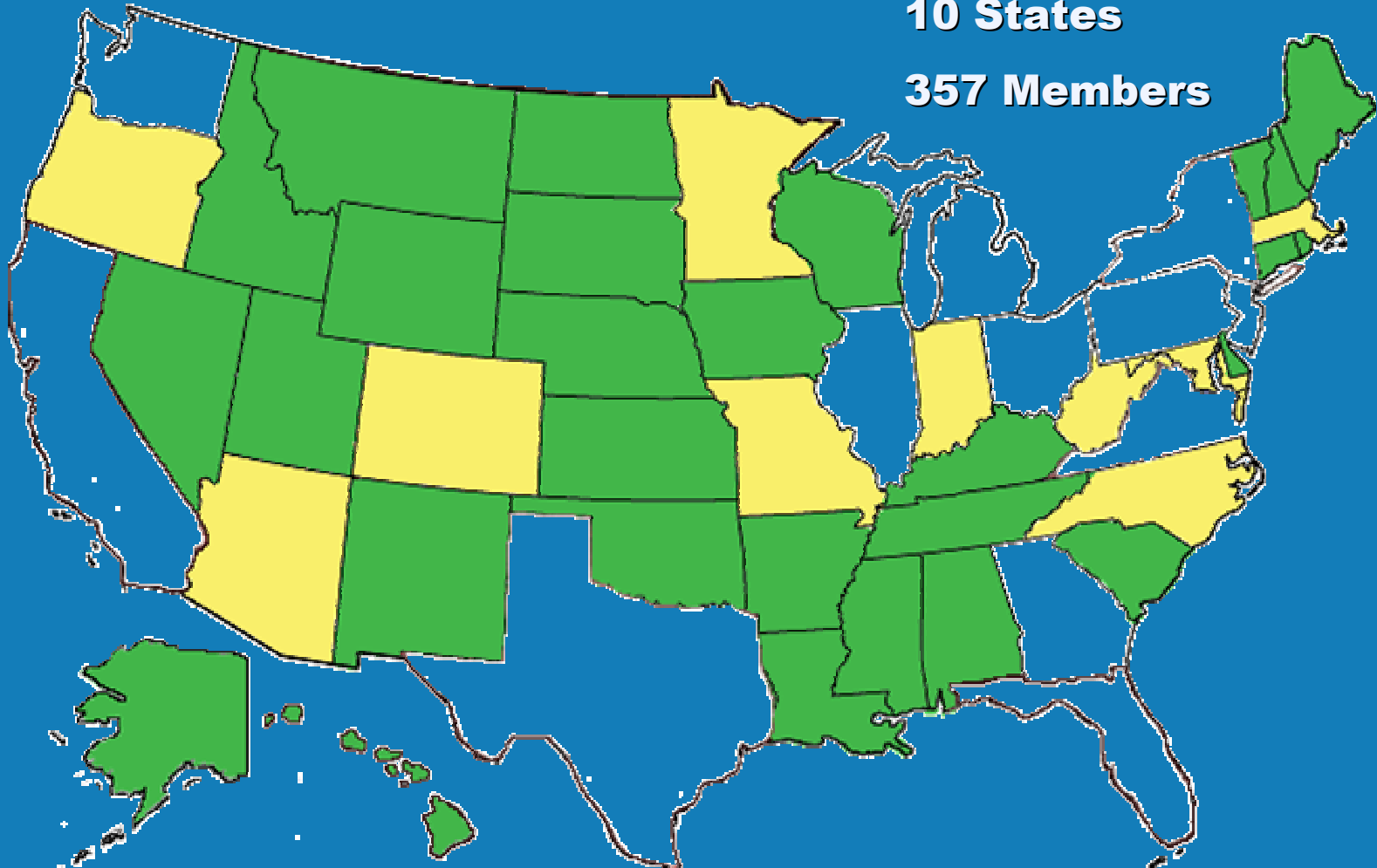
317 Members



U.S. States with 25-49 Members

10 States

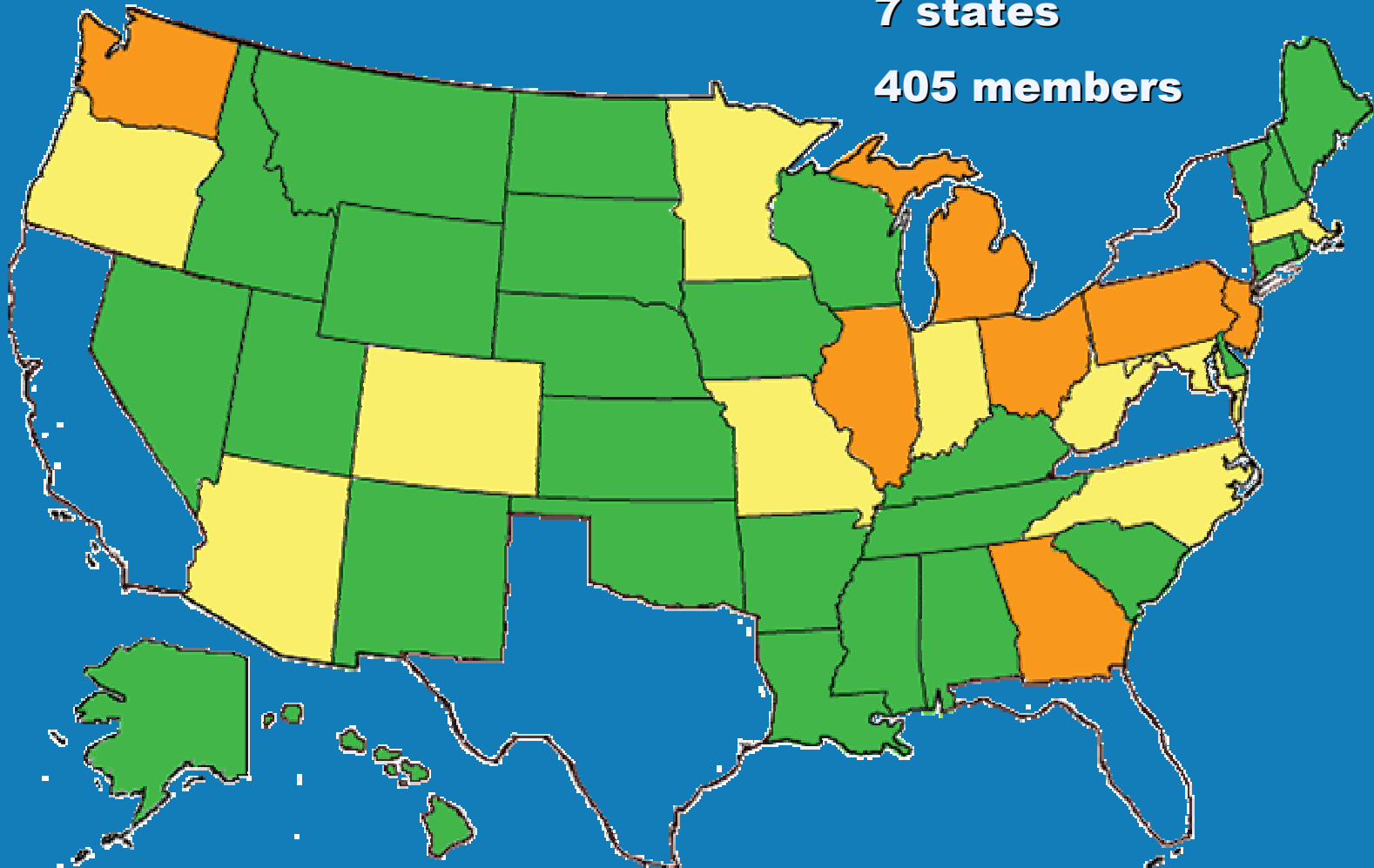
357 Members



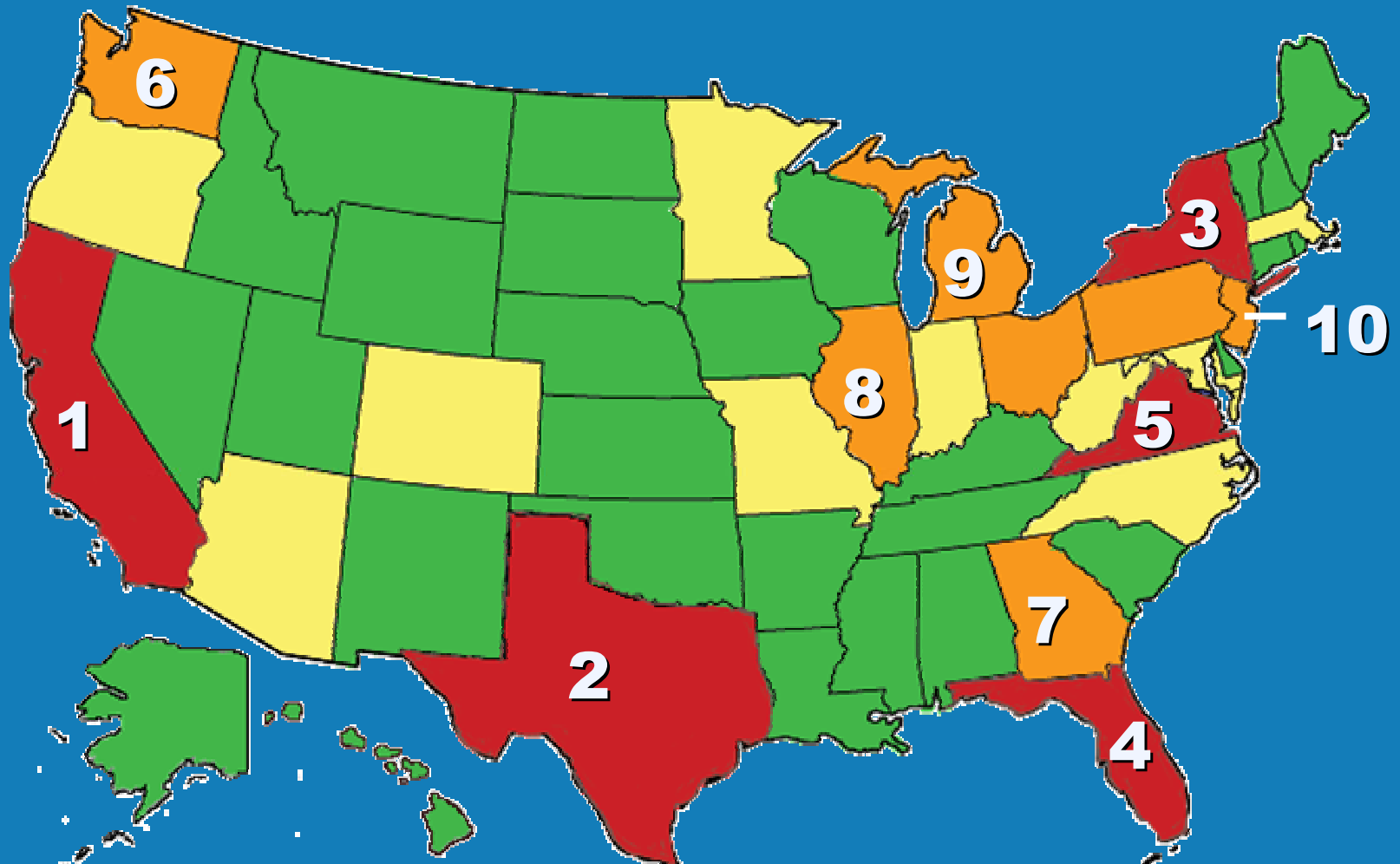
U.S. States with 50-74 Members

7 states

405 members



U.S. Top 10 States



Membership Statistics

TOTAL: 1985

*** Africa: 27**

*** Canada: 169**

*** Caribbean: 19**

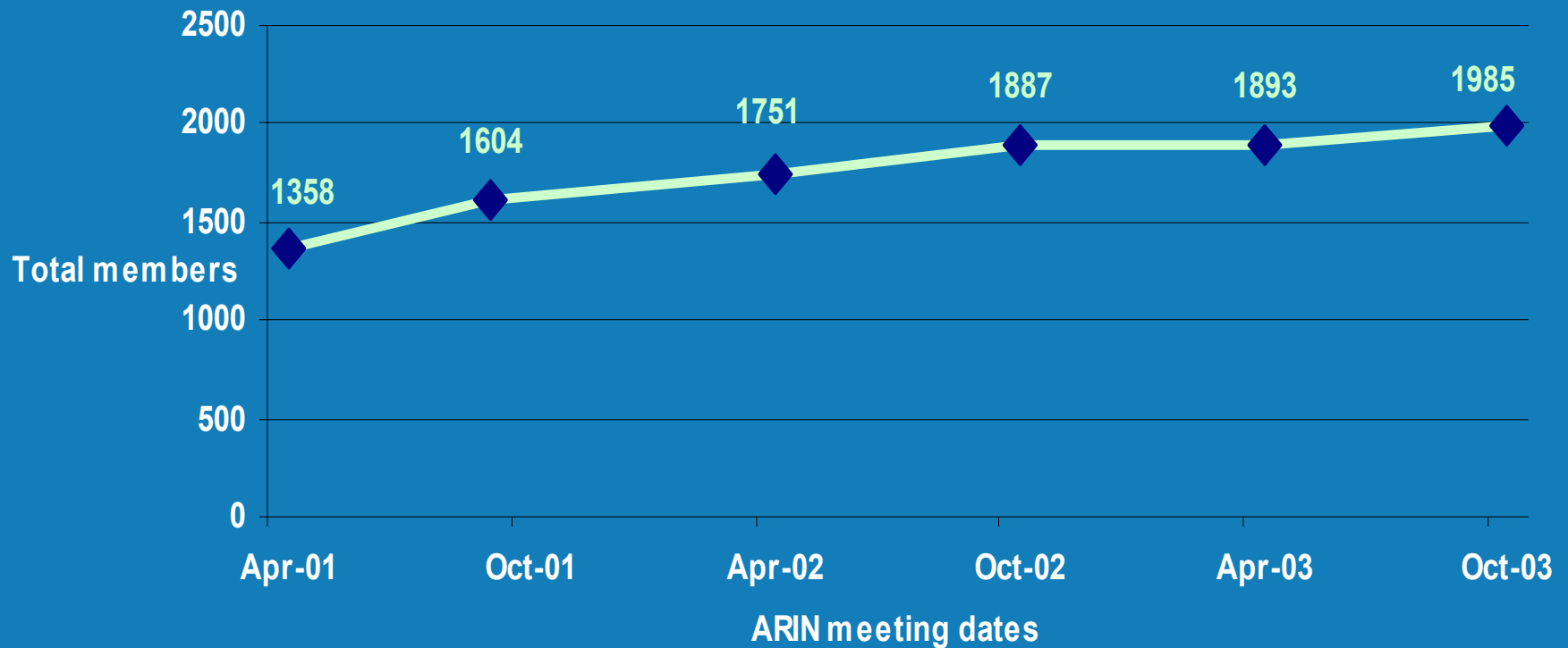
▶ Antigua, Bahamas, Barbados, Bermuda, Puerto Rico,
Virgin Islands

*** United States: 1764**

*** Outside ARIN Service Area: 6**

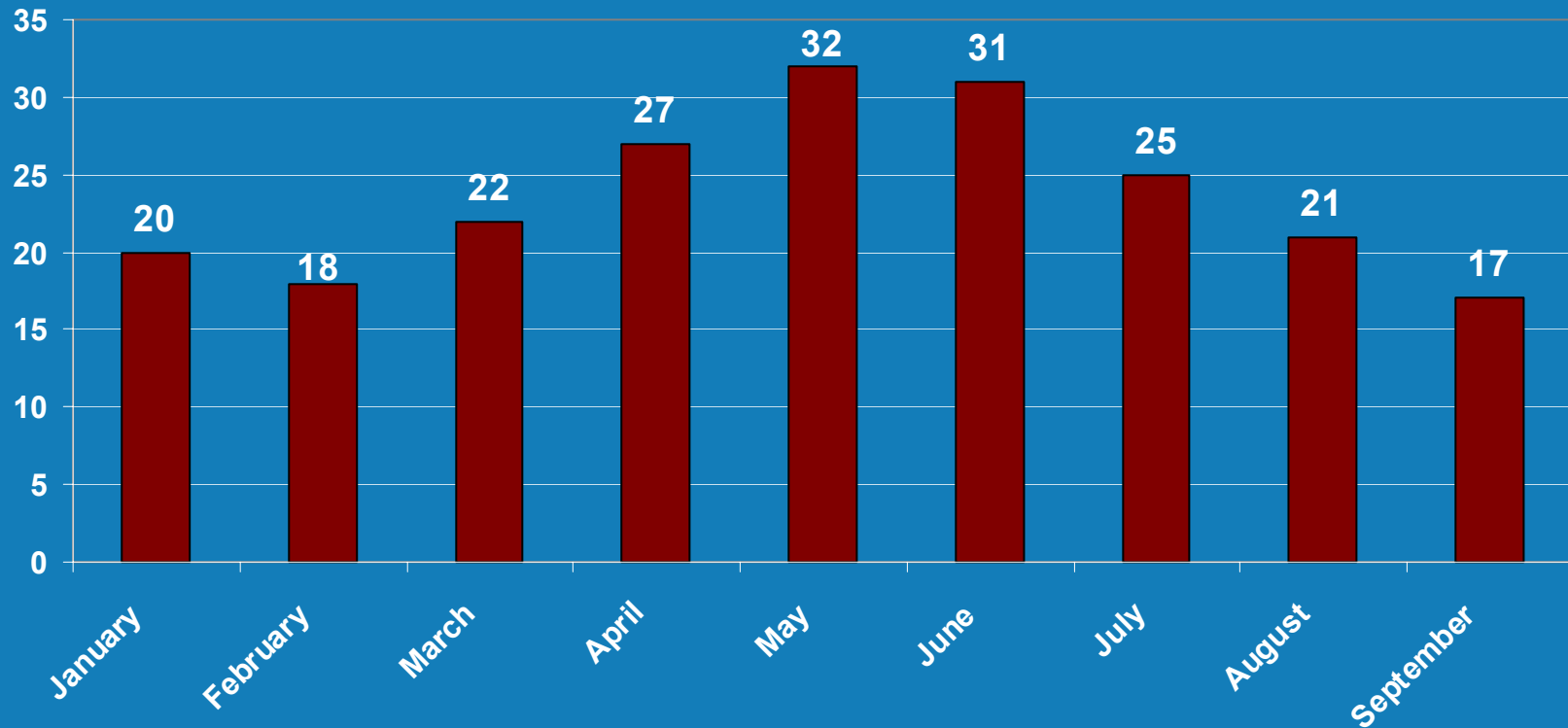
▶ Australia, Guam, Israel, Lithuania

Membership Growth



ARIN Subscriber Members

New ISP Members Per Month in 2003



Member in Good Standing

- * Amended Bylaws, Article III Membership
 - ▶ Section 3. General Members - sentence at the end
 - ▶ Section 5. Membership Rights - new
- * Defined "current" in reference to Article III, Section 3.

<http://www.arin.net/membership/goodstanding.html>

Bylaws Change - Membership

*Article III, Section 3. General Members.

A general member in good standing is defined as an entity that is current on all membership and/or resource fee payments. The Board of Trustees shall determine the timeframe of what constitutes “current.”

<http://www.arin.net/membership/goodstanding.html>

Referencing Bylaws

Article III, Section 3.

*** Definition of "current":**

The ARIN Board of Trustees declares that for purposes of the ARIN Bylaws, Article III, Section 3, the term "current" is defined as having no outstanding invoices sixty (60) days beyond the invoice due date. For purposes of membership, invoices are tied to Org IDs for subscriber members, and organization name in the case of non-subscriber members."

► Board of Trustees Meeting Minutes, July 21, 2003

Bylaws Change - Membership

★ NEW

Article III, Section 5. Membership Rights

All members in good standing shall have the right to submit nominations to ARIN Board of Trustees and Advisory Council positions, vote in ARIN elections, **attend ARIN Public Policy and Members Meetings free of charge**, and participate in members-only mailing list and discussions. Members in good standing shall also be entitled to any future rights the Board of Trustees may, from time to time, grant.

Top Five Reasons to Vote in Next Week's BoT & AC Election

- 1. Take full advantage of your membership dues**
- 2. Ease your guilt for not self-nominating for these important positions**
- 3. The ballot is easy to read compared to one used in the California recall election**
- 4. Desire new faces at the head table to stare at during next meeting**
- 5. Get the ARIN Member Services Dept. off your back**

Communications Internal website



Communications

ARIN Fact Sheet

ARIN
ARIN At A Glance
Founded: 1997
Headquarters
 3635 Concorde Parkway
 Suite 200
 Chantilly, VA 20151
 Tel: +1.703.227.9840

E-mail:
Member Services
members@arin.net
Registration Services
hostmaster@arin.net
Billing
billing@arin.net

Membership:
 1893 members as of
 March 31, 2003

Important Links at
<http://www.arin.net>

Registration Services
www.arin.net/registration/

Policies
www.arin.net/policy/

Newsletter
www.arin.net/newsletter/

Training
www.arin.net/training/

Mailing Lists
www.arin.net/ mailing_lists

Annual Report
www.arin.net/library/rep_docs/annual_report.htm

ARIN Meetings:
 Public Policy and Members Meetings are held biannually throughout ARIN's geographic region. Information about future and past meetings can be found at:
<http://www.arin.net/membership/meetings/>

April 2003

Mission Statement
Applying the principles of stewardship, ARIN, a nonprofit corporation, allocates Internet Protocol resources; develops consensus-based policies; and facilitates the advancement of the Internet through information and educational outreach.

Overview
 The American Registry for Internet Numbers (ARIN) is a nonprofit organization responsible for managing the Internet numbering resources for North America, a portion of the Caribbean, and sub-equatorial Africa. It is one of four Regional Internet Registries (RIRs) worldwide which collectively provide Internet resource registration services around the globe.

Registration Services
 ARIN allocates or assigns Internet numbering resources to Internet Service Providers (ISPs) and end-users. ISPs are allocated blocks of IP addresses for the purpose of assigning or further allocating that space to their customers, while end-users receive assignments of IP addresses exclusively for use in their operational networks.

ARIN promotes the conservation of Internet Protocol version 4 (IPv4) and IPv6 address space and distributes globally unique Internet addresses in a hierarchical manner, permitting the routing scalability of addresses. ARIN also assigns Autonomous System numbers, manages IN-ADDR.ARPA (inverse mapping), maintains the WHOIS database, and verifies reassignment information.

ARIN's Registration Services Help Desk is open from 7 a.m. to 7 p.m. Eastern Time to assist you and may be reached by e-mail at hostmaster@arin.net, by phone at +1.703.227.0660, or by fax at +1.703.227-0676. The Billing Services Help Desk is available from 9 a.m. to 5 p.m. Eastern Time by phone at +1.703.227.9886 or by fax at +1.703.227.0671.

Policies
 Addressing policies in the ARIN region are created in accordance with the "Internet Resource Policy Evaluation Process" (<http://www.arin.net/policy/pep.html>). All members of the Internet community are encouraged to participate in the policy-making process through writing, editing, and voting on policies on the Public Policy Mailing List (ppml@arin.net) and at biannual Public Policy Meetings.

ARIN's Internet resource policies are ratified by the Board of Trustees only after a full public discussion is held, a recommendation by the ARIN Advisory Council is made, and there is evidence that a consensus for the policy has been reached among the community and ARIN membership. A list of all current ARIN policies is available at <http://www.arin.net/policy/>.

Organizational Structure
 ARIN operates as a service organization that is responsive to the needs of the public it serves. Its policies and activities are driven by the users in the community and is thus able to keep in step with their requirements. ARIN is comprised of a 7-member Board of Trustees and a 15-member Advisory Council, and an appointed President and CEO. The Board of Trustees and Advisory Council are elected by ARIN members for three-year terms. Officials are supported by a professional staff of nearly 40. A diagram of ARIN's organizational structure, along with descriptions of each component, is available at http://www.arin.net/about_us/about_org.html.

Leadership

| | |
|--|--------------------------|
| Ray Pizak, ARIN President and CEO | Scott Bradner, Secretary |
| John Curran, Chairman of the Board | Lee Howard, Treasurer |
| Alec Peterson, Advisory Council Chairman | |

Membership
 Membership in ARIN is open to any individual or entity wishing to participate. ARIN seeks a broad-based membership, representative of all users and potential users of IP address space within its geographic service region. Currently there are two types of general members. Subscriber members are automatically accorded membership after receiving a direct allocation of IP address space from ARIN. Non-subscriber membership is available to any interested party for an annual membership fee of \$500. More information, including a list of current ARIN members can be found at <http://www.arin.net/membership/>.

If it is not necessary to become a member of ARIN to apply for IP address space, we will do our best to make it easier to obtain IP addresses. Allocation requests are evaluated solely on utilization criteria and policy requirements.

Every ARIN member is entitled to:

- Attend two representatives to ARIN's biannual Executive Meetings where ARIN operations are reported on and discussed.
- Attend two representatives to ARIN's biannual Public Policy Meetings of its core ARIN member organizations (see <http://www.arin.net/policy/> for a current registration list).
- Nominate and elect Advisory Council and Board of Trustees members. Each ARIN member is entitled to one vote, cast by its designated member representative.
- Participate in the member mailing list for discussions.
- Display the ARIN member logo on its website and printed material.
- Take advantage of future membership benefits as they are offered.

ARIN Resources
WHOIS
 ARIN's WHOIS is a service for finding contact and registration information for resources registered within ARIN's region. ARIN's database contains IP addresses, AS numbers, organizations, or customers that are associated with these resources, and related Points of Contact (POCs). WHOIS queries can be made by entering information in the box in the upper right-hand corner of almost every page on the ARIN website. A WHOIS Help page is available at http://www.arin.net/tools/whois_help.html.

We also provide a computer-based training module for both novice and frequent users called "Querying ARIN's WHOIS," available at http://www.arin.net/library/training/WHOIS_CBT/.

Mailing Lists
 ARIN manages several mailing lists that are open to the ARIN membership or the general public. All participants of these mailing lists must adhere to ARIN's acceptable use policy (AUP) guidelines. A list of mailing lists, information on how to subscribe, and archives of mailing list postings is available at http://www.arin.net/ mailing_lists.

Quarterly Newsletter
 To keep abreast of ARIN's activities, policies, and discussions, please read the "ARIN Today" newsletter, released at the end of each quarter. It is produced by ARIN staff for its membership and the Internet community. Articles and contributions dealing with IP address issues and technology are welcome from all sources. The current issue and past editions are available at <http://www.arin.net/newsletter/>. Submissions or ideas for the newsletter can be sent to webmaster@arin.net.


Library
 ARIN provides on its website a library of all documents pertaining to its operation. These include policies, guidelines, templates, and reference documentation. This library is available at <http://www.arin.net/library/>.

Statistics
 Statistics of ARIN's operations for the current year and past years are available on our website at <http://www.arin.net/statistics/>.

American Registry for Internet Numbers

Communications

ARIN web site



The screenshot shows the ARIN website homepage. At the top, there is a navigation bar with links for Contact Us, Mailing Lists, Site Map, Statistics, Network Abuse, and Newsletter. Below this is a search bar for WHOIS information. A secondary navigation bar includes links for Registration, Policy, Meetings, Membership, Library, Internet Info, Tools, and About Us. The main content area features a header for 'American Registry for Internet Numbers' and a mission statement. A central blue box prompts users to 'Make Your Opinions Known!' regarding current issues under discussion. Below this are yellow boxes for 'Register for ARIN XII Election Information' and 'Important Documents Concerning ICANN, Read and Comment Here'. The page is organized into columns: a left sidebar for 'ARIN XII Announcements' with recent news items, and a main content area with sections for Registration, Meetings, Library, Tools, Policy, Membership, Internet Info, and About Us.

ARIN XII
Announcements

Archives

October 8
ARIN Policy
Process
[more...](#)

October 8
3rd Quarter
Newsletter
Released
[more...](#)

October 7
Candidates
Announced for
Board of Trustees
and Advisory
Council
[more...](#)

October 6
NRD Memorandum
of Understanding
FAQ Released
[more...](#)

ARIN
American Registry for Internet Numbers

Contact Us Mailing Lists Site Map Statistics Network Abuse Newsletter

WHOIS HELP SEARCH WHOIS

Registration Policy Meetings Membership Library Internet Info Tools About Us

American Registry for Internet Numbers

"Applying the principles of stewardship, ARIN, a nonprofit corporation, allocates Internet Protocol resources; develops consensus-based policies; and facilitates the advancement of the Internet through information and educational outreach."

Make Your Opinions Known!
Issues Currently Under Discussion @ ARIN.NET
[Click Here for More Information](#)

Register for ARIN XII
Election Information

Important Documents Concerning
ICANN, Read and Comment Here

Registration
How to get IPv4 and IPv6 addresses, AS numbers, and Transfer, Help Desk, and Reassignment information
[Click here for templates](#)

Meetings
Upcoming ARIN meetings and sponsorship information. Minutes from previous AC, BOT, PPM, and Members Meetings

Library
Guidelines, Templates, Forms, FAQs, RFCs, Tutorials, and Archives

Tools
WHOIS, RWhois, and Routing Registry information

Policy
How ARIN policy is made. Current policy discussions and policy proposal archive

Membership
Information about member benefits, how to join as a non-subscriber, and a list of ARIN members

Internet Info
Global information about Internet supporting organizations

About Us
Learn the history, mission, and structure of ARIN, and find job listings

Communications

ARIN Today

3rd Quarter
2003

today
@ARIN

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3025 Concourse Parkway
Suite 200
Charlottesville, VA 22901

Mission Statement

Applying the principles of stewardship, ARIN, a nonprofit corporation, allocates Internet Protocol resources; develops consensus-based policies; and facilitates the advancement of the Internet through information and educational outreach.

ARIN XII - Chicago

NANOG 29 and ARIN meeting hosted back-to-back

For the second time, NANOG and ARIN will be holding back-to-back meetings. At last year's meetings, over 90 people attended both the NANOG and ARIN meetings, and we look forward to even more involvement this time!

The NANOG 29 meeting will be held Sunday, Oct. 19 through Tuesday, Oct. 21 and the ARIN XII meeting will be held Wednesday, Oct. 22 through Friday, Oct. 24. The meeting location is the Marriott Chicago Downtown in Chicago, Illinois, US. Information about the meeting can be found at:

<http://www.arin.net/ARIN-XII/>

An election to fill the ASO Address Council seat from the ARIN region will take place during the meeting. In addition, the nominees for ARIN's Board of Trustees and

IPv4 Address Space -
How Long Have We Got?

By Geoff Huston
Telstra

At the time of its original specification some three decades ago the use of a 32-bit address space in the Internet Protocol header was considered to be erring on the side of being outlandish! Contemporary protocols used 16-bit address fields, and in a world of thousands of mainframe computers, it was a leap of faith to believe that 32 bits, or 4 billion addresses, could ever be required, let alone run out.

Yet by the early 90s that's precisely what we were looking at. With the split of the address space into Class A, B, and C networks, it was looking like the Class A space was too large, and Class C space

was too small, and the Class B space was still a bit on the large side, but good enough to work with. In that split of the IPv4 address space there were a total of 16,128 Class B networks, and it was pretty obvious in the studies of the early 1990s that the B space would be exhausted by the middle of the decade.

The Internet Engineering Task Force (IETF) embarked on a number of efforts to address this looming problem, and there were two major outcomes. The short-term alleviation was the adoption of Classless Inter-Domain Routing (CIDR), dropping the entire Class A, B, and C address structure, and the longer term effort was to develop the specification of IPv6, a protocol that, among other changes, picked up 128 bit address headers.

Almost a decade later a large amount

Continued on page 4

On-Demand Training

Registration Processes Flowcharts

ISP Initial Request Process Overview Flowchart

This is an overview of the process by which an ISP can make its request for an allocation of IPv4 address space. Simply move your cursor over an icon to get additional information. If applicable, clicking on an icon will open the relevant document.

As this is a summary, please be sure to visit ARIN's IPv4 Services page at www.arin.net/registrations/ipv4/ for links to the actual policies and guidelines that govern this process.

If an ISP has an immediate need for address space, i.e. the need exists the day of the request, ARIN may issue an ID if the organization, such as a new company, shows justification. However, these cases are exceptional.

The flowchart steps are:

- ISP
- Multi-homed Policy
- General Policies
- Auto-Response
- Review Process
- Approval
- Forms & Fee
- Billing Form
- Invoice
- Allocation
- Reassignment
- Annual Renewal
- Payment

Unit 2: Data Administration: Areas of Authority

The Organization Record - POC Areas of Authority

The Org record identifies an unique organization in the ARIN database and has associated attributes such as a public address, POC, Network, and AD handle records are associated with an Org record.

Each organization must have one Admin POC and at least one Tech POC associated with it. There may be an unlimited number of Tech POCs on an Org record. POC and Admin POC's are optional and are also unlimited.

Click on each "handle" to see additional information about each of the POC's.

ARIN Database & Templates

Querying ARIN's WHOIS

Introduction to Training

This training instructs ARIN's WHOIS users in building queries and understanding the results. It is intended to serve two audiences:

- **Novice users** of ARIN's WHOIS should complete the entire program in sequential order.
- **Advanced users** of ARIN's WHOIS may select desired modules.

Content:

- Module 1 - Overview of ARIN's WHOIS
- Module 2 - Basic Queries
- Module 3 - Advanced Queries Using a Single Option Flag
- Module 4 - Advanced Queries Using Multiple Option Flags
- Module 5 - Understanding ARIN's WHOIS Output
- Module 6 - Where to Query

Click on the "Glossary" button to view terms and definitions.

Querying ARIN's WHOIS

<http://www.arin.net/library/training/>

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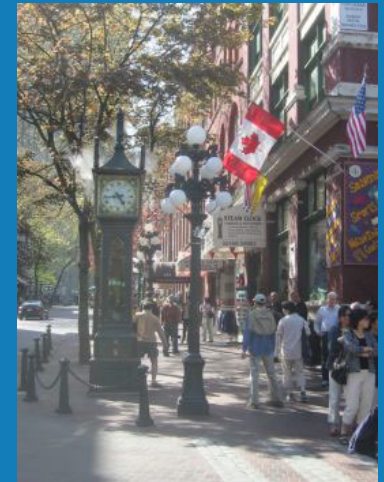


HEADING NORTHWEST TO



VANCOUVER, B.C.

April 18-21, 2004



XIII

Mark Your Calendars

Thank You!