

**THE AMERICAN REGISTRY FOR INTERNET NUMBERS
(ARIN)**



ANNUAL REPORT

July 1, 2000 through June 30, 2001

The American Registry for Internet Numbers
4506 Daly Drive, Suite 200
Chantilly, VA 20151
www.arin.net

Table of Contents

Chairman's Message

President's Message

Part I – Organization

Part II – Activity Reports

- Department Reports
- Actions by the Advisory Council
- Actions by the Board of Trustees
- Member Meetings

Part III - Financial Report

Part IV – Global Activities

- RIR Coordination
- ICANN Activities
- Internet Meetings

Part V – Public Policy

- Internet Policy Evaluation Process
- Public Policy Meetings
- Working Groups

Appendix 1 – Lists

Appendix 2 – Registration Statistics

Chairman's Message

The American Registry for Internet Numbers has had a busy and successful year. Our search for a President successfully concluded in September 2000 with recruitment of Raymond Pizak as ARIN's new President and CEO. We are pleased to have someone of Ray's talents leading ARIN and would like to note that many of our activities for this past year have already benefited from his leadership.

ARIN is a unique organization and it can be challenging to describe our purpose in a succinct manner. This past year the ARIN Board developed a mission statement derived from our Articles of Incorporation:

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

Facilitating open discussions on addressing policy is an essential part of accomplishing our mission, and I am happy to say that participation by the members on both the mailing lists and at the Public Policy Meetings remains strong. Of particular importance is the growing attention by ARIN membership to IPv6 address allocation policy and its implementation. ARIN, its members, and address community stakeholders remain engaged in active discussion to guide global IPv6 address policy formation based upon the needs of the Internet community.

Highlights of ARIN's outreach activities included the continuing coordination and work with the other Regional Internet Registries in both policy matters and technical operations. Further, ARIN became a member of the Internet Society and designated its membership fee to support the RFC Editor, a function that is very important to the dissemination of both technical and policy documents in the area of Internet addressing. ARIN also pledged financial support for the activities of the Internet Corporation for Assigned Names and Numbers (ICANN) as we continue to work on a definitive contract with them.

I close with a reminder to all those interested in the future of IP addressing. ARIN serves to facilitate policy discussion and gather consensus for IP address policy and management. This cannot succeed unless members take an active part in policy discussions throughout the year by joining ARIN's open mailing lists and attending the Public Policy meetings. If you are an ARIN member, please exercise your right to vote in the annual elections for members of the ARIN Board of Trustees, the ARIN Advisory Council, and ICANN's Address Support Organization (ASO) Address Council candidates from the ARIN region. With your participation, ARIN will better serve you and the Internet community at large.



John Curran
Chairman, Board of Trustees, American Registry of Internet Numbers

President's Message

Thursday, September 28, 2000 was a very big day for me. It was my first day as your President. Four days later, I was "on stage" at my first ARIN Public Policy Meeting and Members Meeting. Needless to say, the success of that meeting was directly attributed to the hard working ARIN staff. I was indeed quite fortunate to inherit such a staff.

Well, what have we been doing? An easy answer – a lot!

There have been changes in the organization. The Member Services Department has been allocated additional resources to develop strong outreach activities such as the publication of a quarterly newsletter and training development. The Engineering Department has become actively engaged in developing and implementing a new database and accompanying application software. The Business Department has negotiated and signed contracts to provide server networks to support the reverse mapping and has begun acquisition of a new accounting system to replace the current inadequate system. The Registration Services Department continued its consistent excellent customer service and expanded the help desk hours. The Administration Department began the search for new office space as we were losing our lease in the current facility, which we have outgrown and is inadequate for a number of other reasons. Additionally, employee support activities and training were improved. In all departments activities and projects will continue to improve ARIN services and benefit ARIN members in the coming year.

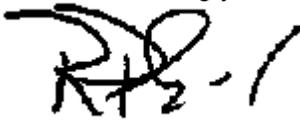
In keeping with the open and transparent nature of ARIN, the staff facilitated policy discussions on the mailing lists and at the Public Policy Meetings. Staff also requested member and stakeholder input to the development of the database and its applications as well as the type and nature of outreach services and activities that ARIN should provide and participate in.

The ARIN staff continues to work closely with the staffs of the other Regional Internet Registries. Staff members attended the meetings of the other registries to coordinate policy discussions between the regions, coordinate engineering activities, and to cross-fertilize outreach activities. ARIN staff members have become active participants in the IETF working groups that are working on areas that will have an impact on the way ARIN and the addressing community does business in the future.

Members of the ARIN staff participate in ICANN activities that affect the Address Support Organization. These include participating in the monthly ASO Address Council teleconference, the development of the ICANN budget, and in ICANN meetings.

Over the past year, ARIN has been very active in the development of the LACNIC, which will emerge from the ARIN region as a new RIR. There have been a number of very forthright and productive meetings that will culminate sometime next year in the application to the ICANN for the formation of the LACNIC.

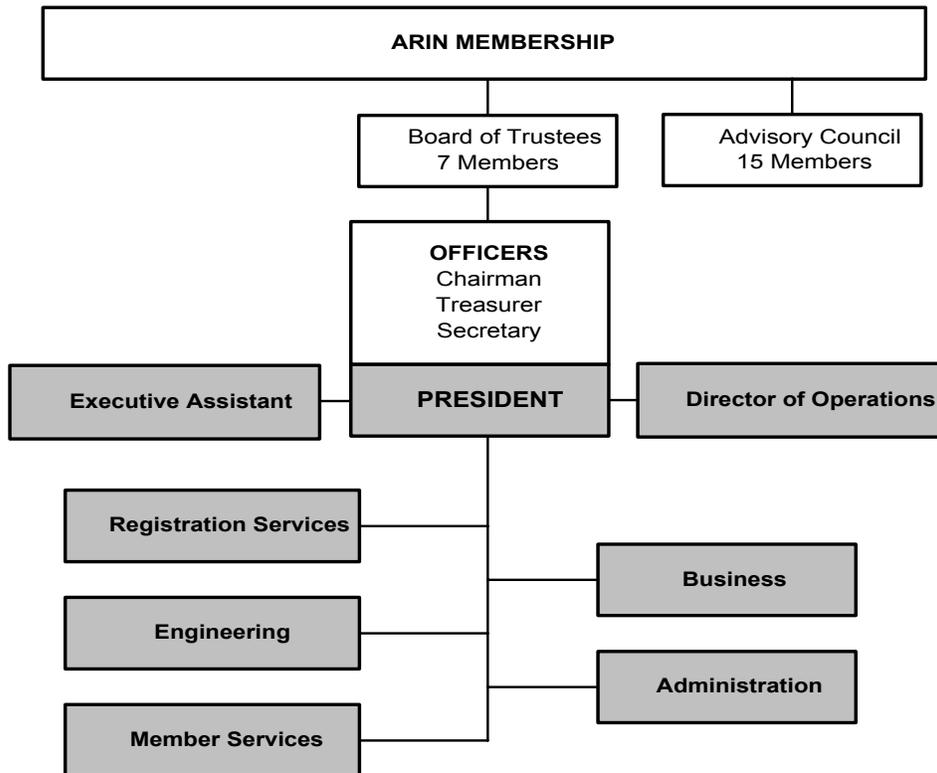
As you can see, the ARIN staff has been actively engaged over the past year in activities that support you, the members. We expect the new year to be just as busy and look forward to the new challenges that will arise. I personally am gratified by the hard work of the staff and even more so, by the kind and gracious remarks of support that I have received from you. We look forward to serving you in the new year.

A handwritten signature in black ink, appearing to read 'R+2-1'.

Raymond A. Plzak
President and CEO
American Registry for Internet Numbers

Part I - ORGANIZATION

During the year there were several changes to ARIN's organization. The Board of Trustees increased its size to seven (7) members to eliminate the possibility of a deadlocked board. The Board of Trustees elected Raymond Plzak to be the President of ARIN. Members were elected to the Board of Trustees and the Advisory Council. The corporate staff structure was expanded to five departments to provide improved services and support to the ARIN community and its over 1,500 members and organizations. Resources were allocated to create the Member Services Department. The Administration Department was spun off of the Business Department in order to separate the accounting and business functions from the human resources, facility security, and office administration functions. The new structure is depicted below. The list of members of the Board of Trustees, the Advisory Council, and the ARIN Region members of ICANN bodies is at Appendix 1.



Part II. ACTIVITY REPORTS

Registration Services Department

The Registration Services Department, managed by Leslie Nobile is responsible for the allocation and assignment of all IP resources within the ARIN region. Responsibilities and activities of the group include IPv4 and IPv6 Numbers Registration, Autonomous System Number Registration, maintaining a help desk, reverse delegation registration, WHOIS Directory Service, and a Routing Registry Service.

During the past year, eight IP analysts have been on staff, providing depth and consistency to the group. The Registration Services Department has reduced processing and turnaround time of requests by the addition of staff and by streamlining and automating some of its processes. The increased overall size of the staff has enabled ARIN to better accommodate the needs and requests of its members and the general community.

Coupled with software and system improvements made by the Engineering Department, RSD's experience and seasoning has helped to reduce the time required for processing SWIP templates and transfer requests. Processing turnaround time is monitored to ensure that ARIN stays within its industry leading two-day time frame. A new statistics tracking system records actual processing times from date request is received through issuance of IP space. Statistics are recorded daily and posted to ARIN's website at the end of each month.

Among other improvements, ARIN instituted a new review procedure for processing transfer requests so that important issues can be addressed immediately. Registration Services expanded its help desk hours to include 7:00 a.m. to 7:00 p.m. Eastern Time. To aid extra-large ISPs in the management of their allocations, ARIN's maximum IPv4 allocation size was increased from /14 to /13.

Projects for the coming year include the publication of a training manual to be used by all IP analysts as both an initial training guide and an on-going job aid to ensure consistency in service to the customer. Other potential projects include the implementation of a cross training program within the group, job rotation within the group, regular updating of the internal RSD web page and the inclusion of new pages such as a page for updated procedures and an "alert" page to flag problems with certain accounts so that the entire group is aware of these problems and finally, the development of internal training classes for the group to be given on a regular basis.

Member Services Department

The Member Services Department managed by Susan Hamlin is responsible for outreach to the membership and Internet community, management of the ARIN web site design and content, development of training materials, documentation, election oversight, and event planning. Initiatives this year included coordinating and hosting two annual Public Policy and Members Meetings and publication of the first edition of ARIN's new quarterly online newsletter, *ARIN Today*. The department worked closely with the Community Learning and Education Working Group (CLEW) to increase ARIN's documentation efforts and dedicated full-time resources for development of a training program.

Membership growth continued on a steady course throughout the year as new ISP customers were allocated address space. There was marginal growth in the number of members who are not ARIN subscription holders. Membership totaled 1507 at end of the year.



Looking ahead, a new website redesign will be rolled out and training efforts will expand beyond tutorials to include web-based modules covering revised registration templates.

Engineering Department

Managed by Ginny Listman, the engineering department and its nine-member staff writes and maintains the code that supports the efforts of registration, business and member services. The department is responsible for system development as well as equipment maintenance and upgrades required to keep ARIN operational.

Several long-term projects were initiated this year with substantial work accomplished. They include:

IN-ADDR.ARPA Zone File Cleanup. The process for reducing the size of the IN-ADDR.ARPA zone file by only including name servers for /8 networks was outlined and begun. Relationships were established with two companies to provide independent servers for all ARIN IN-ADDR zone files. Also, a new IN-ADDR.ARPA zone generator to correct existing erroneous data was released.

Database Conversion. The Engineering Department has redesigned the database schema, developed new templates to interact with it and developed code to convert it. The existing database is domain-centric, making it difficult to implement change. Before the data can be converted to the new schema, most of the software will need to be re-written, and the existing data will need to be verified and cleaned. Engineering has spent six months making data corrections, and continues this process.

Hardware Upgrade. Hardware was purchased to increase performance both internally and externally. Many system upgrades are expected to be completed by the end of the calendar year.

WHOIS. Due to the continued rise in WHOIS queries, engineering employed a third server to reduce the strain of the existing WHOIS servers. In an effort to reduce queries that may lead to DoS attacks, ARIN agreed to release statistical data on IP depletion which is now available on the public ftp site. Additional database downloads are available for research purposes by completing an Acceptable Use Policy (AUP) agreement.

RWHOIS. As a result of discussions at the April 2001 Member Meeting, improvements to RWHOIS were initiated. A new version is expected to be released in 4th quarter 2001.

Work will continue on many of these projects next year, in addition to efforts to improve the turn around time for all registration templates by automating more processes.

Business Department

The Business Department, managed by Bob Stratton, is responsible for accounting, billing, budget management, contract administration, financial administration, and legal affairs. The most significant activity for the department was the initiation of activities to acquire a new finance and accounting system since ARIN has outgrown the current system. These activities were closely coordinated with the Engineering and Member Services Departments to ensure that the new system will be compatible with the Oracle database and will support Member Service activities. The number of fee categories for which credit card services can be used was expanded. Significant contract activities included the negotiation of contracts to provide server networks for reverse mapping service and contracts relative to the relocation of the ARIN office. Over the next year, the department plans to implement the Investment Plan approved by the Board of Trustees, implement the new finance and accounting system, and further expand the credit card fee transaction system.

Administration Department

The Administration Department, managed by Mary K. Lee, is responsible for personnel acquisition, employee compensation management, benefits administration, payroll administration, employee training, office management, office security, and travel administration. During the past year personnel activities were improved by updating job function statements for existing positions as well creating ones for the newly defined positions. The payroll system was upgraded and work began to update the employee handbook. Various policies were either updated or formalized. The entire employee benefits package including health care and 401(k) plan was reviewed, evaluated, and upgraded where necessary. Perhaps the biggest project undertaken by the department was the initiation of activities to relocate the ARIN office to new facilities. The current lease is due to expire at the end of October 2001. Projected activities for coming year include completing the office move, updating the employee handbook, and continuing to provide ARIN employees a safe work environment.

Actions by Advisory Council

The Advisory Council met twice during the year at the two Public Policy and Members meetings. In addition, they conducted four meetings via teleconference. Fall 2001 elections brought back Barbara Roseman and Jeremy Porter for second consecutive three-year terms. Avi Freedman, former AC member, and first-timer Kevin Martin were also elected.

Noteworthy Council actions included:

- A recommendation that the ARIN President be encouraged to discuss with the other RIRs (Ripe NCC and APNIC) the creation of a plan to proceed with review of all address allocations to confirm their appropriate use and in some cases the need for possible reclamation.
- A recommendation to the Board of Trustees in October to suspend the current virtual webhosting policy until revised language could be formulated based on mailing list and public policy meeting input.
- The Advisory Council recommended to the Board of Trustees that ARIN allocate IPv6 addresses according to the Internet Draft <draft-iesg-ipv6-addressing-recommendations-00.txt>. This recommendation will be regularly reviewed and modified subject to operational experience.
- In April, Alec Peterson was re-elected as Chairman of the Advisory Council.
- In April, based on mailing list and public policy meeting input, the Advisory Council adopted the following language and sent it to the ARIN Board of Trustees for consideration:

"When an ISP submits a request for IP address space to be used for IP-based web hosting, they will supply (for informational purposes only) their technical justification for this practice. ARIN will analyze this data continuously, evaluating the need for future policy change."

- The AC summarized discussions having taken place during the public policy and members meeting regarding multiple maintainer ids and agreed to circulate a proposal on the mailing lists.

Actions by the Board of Trustees

Annual elections held in the fall yielded renewed three-year terms for John Curran and Scott Bradner on the ARIN Board of Trustees. The Board held nine meetings throughout the year and took the following actions:

- Appointed John Curran as Acting President of ARIN while conducting a search for a new president.
- Elected Raymond Plzak as President of ARIN.
- Suspended implementation of the Virtual Web Hosting policy.
- Removed David Meyer from the ASO AC from the ARIN region and replaced him with Raimundo Beca for the remainder of his term.
- Directed the President of ARIN to cease collecting fees for the allocation of IPv6 address space to current IPv4 subscribers through December 31, 2002 and when appropriate refund or credit fees already paid.

- Amended Bylaws to add an additional Trustee member to make an odd number for aid in voting.
- Expanded the size of the Nominating Committee by adding an additional participant from the General Membership and expanded its role to include aggressive recruitment of qualified candidates for the Board. In addition, the petition process for Board and Advisory Council nominations was changed to reduce the required number of signatures from 15 % to 10% of the general membership.
- Approved ARIN platinum membership in the ISOC, earmarking its membership fees to support the RFC editor function.
- Changed ARIN's fiscal year to coincide with the calendar year beginning January 1, 2002.
- Elected John Curran as Chairman of the Board, Scott Bradner as Secretary, and Michael Straty as Treasurer.
- Approved an ARIN mission statement.
- Adopted the "ARIN Internet Resource Policy Evaluation Process."
- Adopted an Acceptable Use Policy (AUP) for ARIN WHOIS Data.

Members Meetings

ARIN VI - October 4, 2000 Herndon, Virginia

- Candidates running for seats on the Board of Trustees and Advisory Council presented their credentials.
- Chairman John Curran reported on the progress of the RIR contract negotiations with ICANN.
- ARIN's recently audited financial statements were presented.
- Members voiced support for a proposal to not charging current IPv4 customers for their initial IPv6 allocation for the next two years and to refund payments made to date by those who qualify if such a policy were enacted.

[Meeting minutes are found at:

http://www.arin.net/minutes/members/arinvii/ARIN_VI_Members.htm]

ARIN VII - April 4, 2001, San Francisco, California

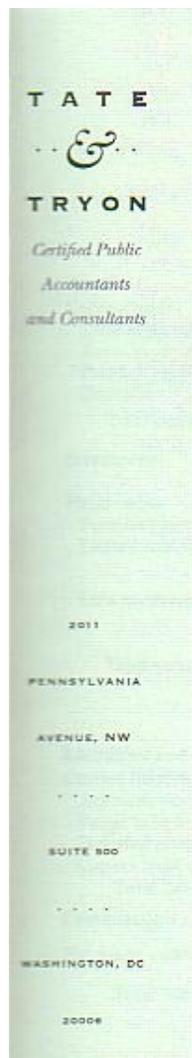
- Board Chairman John Curran announced the increase of the Board size to seven to make an odd number of members to aid in voting.
- The Treasurer reported on ARIN's statements of financial activity and financial position.
- John Curran provided an overview of ARIN's financial status explaining that the registry has reached its goal of accumulating a cash reserve of operating funds. Possible uses of the funds were discussed such as fixing RWHOIS and increasing outreach activities.

- Ray Plzak concluded the meeting with a few announcements and an invitation to attend the ASO General Assembly to be held that afternoon. He also encouraged participation in the election to fill Ken Fockler's seat on the ICANN Board.

[Meeting minutes are found at : http://www.arin.net/minutes/ARIN_VII/arin_vii_members.htm]

Part III – FINANCIAL REPORT

Independent Auditor's Report



Independent Auditor's Report

To the Board of Trustees
American Registry for Internet Numbers, Ltd.

We have audited the accompanying statements of financial position of the American Registry for Internet Numbers, Ltd. (ARIN) as of June 30, 2001 and 2000, and the related statements of activities and cash flows for the years then ended. These financial statements are the responsibility of ARIN's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the American Registry for Internet Numbers, Ltd. as of June 30, 2001 and 2000, and the changes in its net assets and its cash flows for the years then ended in conformity with accounting principles generally accepted in the United States of America.

Tate & Tryon

Washington, DC
August 24, 2001

Statements of Financial Position

AMERICAN REGISTRY FOR INTERNET NUMBERS, LTD.

Statements of Financial Position

	June 30,	
	2001	2000
Assets		
Current assets		
Cash and cash equivalents	\$ 8,675,906	\$ 4,979,483
Accounts receivable	27,383	12,746
Prepaid expenses	17,331	17,866
Deposits - ICANN - Note B	318,205	150,255
Total current assets	<u>9,038,825</u>	<u>5,160,350</u>
Investments	640,369	606,884
Fixed assets		
Furniture and equipment	1,036,285	647,325
Leased equipment	186,795	186,795
	<u>1,223,080</u>	<u>834,120</u>
Less accumulated depreciation and amortization	<u>(818,593)</u>	<u>(630,074)</u>
	<u>404,487</u>	<u>204,046</u>
Total assets	<u>\$ 10,083,681</u>	<u>\$ 5,971,280</u>
Liabilities and Net Assets		
Current liabilities		
Accounts payable and accrued expenses	\$ 196,809	\$ 90,443
Funds held for ICANN - Note B	318,205	150,255
Deferred revenue	3,305,180	2,748,313
Capital lease obligation, current portion	-	35,339
Total liabilities	<u>3,820,194</u>	<u>3,024,350</u>
Commitments and contingencies - Note D	-	-
Net assets - unrestricted	<u>6,263,487</u>	<u>2,946,930</u>
Total liabilities and net assets	<u>\$ 10,083,681</u>	<u>\$ 5,971,280</u>

Statements of Activities

AMERICAN REGISTRY FOR INTERNET NUMBERS, LTD.
Statements of Activities

	Year Ended June 30,	
	2001	2000
Revenue		
Registrations	\$ 6,441,113	\$ 4,737,655
Dividends and interest	381,419	170,513
Other revenue	164,953	78,618
Membership dues	52,500	26,000
Contributions	31,310	8,776
Total revenue	<u>7,071,295</u>	<u>5,021,562</u>
Expense		
Program services:		
Engineering	1,600,112	1,083,947
Registration services group	999,354	763,584
Member services	417,370	207,548
Total program services	<u>3,016,836</u>	<u>2,055,079</u>
Administration	737,902	751,758
Total expenses	<u>3,754,738</u>	<u>2,806,837</u>
Change in unrestricted net assets	3,316,557	2,214,725
Net assets, beginning of year	<u>2,946,930</u>	<u>732,205</u>
Net assets, end of year	<u>\$ 6,263,487</u>	<u>\$ 2,946,930</u>

Statements of Cash Flows

AMERICAN REGISTRY FOR INTERNET NUMBERS, LTD.

Statements of Cash Flows

	Year Ended June 30,	
	2001	2000
Cash Flows From Operating Activities		
Change in net assets	\$ 3,316,557	\$ 2,214,725
Adjustments to reconcile change in net assets to net cash provided by operating activities:		
Depreciation and amortization	188,519	258,600
Changes in assets and liabilities:		
Accounts receivable	(14,637)	10,214
Prepaid expenses	535	(15,035)
Deposits - ICANN	(167,950)	(150,255)
Accounts payable and accrued expense	106,366	(66,327)
Funds held for ICANN	167,950	150,255
Deferred revenue	556,867	1,036,729
Total adjustments	<u>837,650</u>	<u>1,224,181</u>
Net cash provided by operating activities	4,154,207	3,438,906
Cash Flows From Investing Activities		
Purchases of investments, net	(33,485)	(30,175)
Purchases of furniture and equipment	<u>(388,960)</u>	<u>(86,620)</u>
Net cash used in investing activities	(422,445)	(116,795)
Cash flows From Financing Activities		
Principal payments on capital lease obligation	<u>(35,339)</u>	<u>(60,582)</u>
Net increase in cash and cash equivalents	3,696,423	3,261,529
Cash and cash equivalents, beginning of year	<u>4,979,483</u>	<u>1,717,954</u>
Cash and cash equivalents, end of year	<u>\$ 8,675,906</u>	<u>\$ 4,979,483</u>

Part IV – GLOBAL ACTIVITIES

RIR COORDINATION

The RIRs (ARIN, RIPE NCC, and APNIC) worked closely together over the past year to coordinate many activities. Coordination efforts were stronger during this period than they have been in the past. This results mainly from an increased effort to work together on policy issues and common operational tasks. Some of the many coordination efforts are described below.

In an effort to facilitate the work being done by researchers to determine the rate at which the RIRs are distributing Internet resources and to project the exhaustion of IPv4 address space and AS numbers, the RIRs determined a need to align the way they report statistical information. Working together with researchers, the RIRs agreed upon a common format for statistical reporting and have made these statistics freely available to the public at:

<ftp://ftp.arin.net/pub/stats/>

In the process of coordinating RIR activities, it became evident that the community needed assistance in comparing the policies of the three RIRs. The RIRs answered this need by compiling a comparative policy overview. This overview lists all RIR policy areas and identifies the specific policy for each RIR in an easy to read reference table. The RIR Comparative Policy Overview is available at:

http://www.arin.net/governance/rir_comp_matrix.html

ICANN ACTIVITIES

ARIN, along with the other RIRs, became a member of the new ICANN Budget Advisory Group. ARIN has taken an active role in the ICANN budget process.

The RIRs have coordinated the secretariat function for the ASO AC since its inception by assigning it to an RIR on a yearly rotation basis. The first year of the secretariat function was filled by APNIC, followed by RIPE NCC. ARIN will assume secretariat duties for the ASO AC beginning in January 2002. Although one RIR is assigned to the secretariat function at a time, the RIRs still coordinate activities such as the location of the ASO general assembly meeting and its agenda. The 2001 ASO general assembly meeting was held in conjunction with the ARIN VI meeting in San Francisco, CA.

INTERNET MEETINGS

ARIN seeks opportunities to engage the community in dialogue as well as provide information to the public on its role as a Regional Internet Registry (RIR). ARIN participated in several meetings and forums during the year.

APNIC – Brisbane, Australia
RIPE NCC – Amsterdam, The Netherlands and Bologna, Italy
ICANN - Marina del Rey, CA; Stockholm, Sweden; and Melbourne, Australia
ASO - San Francisco, CA
AfrINIC - Accra, Ghana
LACNIC - Sao Paulo, Brazil
NANOG - Washington, DC; Atlanta, GA; and Scottsdale, AZ
IETF - Pittsburgh, PA; San Diego, CA and Minneapolis, MN
IPv6 Forum - Osaka, Japan
APRICOT - Kuala Lumpur, Malaysia
INET/ISOC - Yokohama, Japan and Stockholm, Sweden
GSMNA - Las Vegas, NV

Part V – Public Policy

INTERNET RESOURCE POLICY EVALUATION PROCESS

At the ARIN Public Policy and Member meetings in October 2000, the ARIN Board of Trustees announced that they would document the process for making policy in the ARIN region. This process was documented and published on the ARIN website and mailing lists in April 2001. The policy document is in both English and Spanish. Additionally, there is a flowchart of the process. This information is available at:

http://www.arin.net/arin/policy_eval_process.html

PUBLIC POLICY MEETINGS

ARIN VI – October 2-3, 2000 Herndon, Virginia
Wireless provided by Wayport

- Ray Plzak was introduced as ARIN's second President.
- Barbara Roseman was elected to serve on the ASO AC from the ARIN region.



- Engineering has completed an enhancement of routing registry mirroring and performance enhancement of ARIN's website.
- Ken Fockler, the ICANN Board member from ARIN's region, reported on ICANN accomplishments including the creation of the Supporting Organizations (SOs). Future ICANN activities included work on finalizing agreements with the RIRs and consideration of IPv6.
- Lengthy discussion on ARIN's Transfer Policy took place. The majority present felt the policy should be modified and that maintaining accurate WHOIS data was important.
- Vigorous discussion of the current Web Hosting policy resulted in suspension of policy pending review by the Advisory Council and additional public comment.
- An update was given on the RIRs' combined effort to transfer legacy network database information from ARIN's region to the proper RIR region.
- Discussion was held on whether ARIN should make its database available to the public in bulk form.
- APNIC, RIPE NCC, and LACNIC gave status reports.

[Minutes are found at: http://www.arin.net/minutes/public/arinvi/ARIN_VI_PPM.htm]

ARIN VII - April 1 – 4, 2001 San Francisco, California
Meeting sponsored by Global Crossing

- Attendees were provided copies of ARIN's newly published Internet Resource Policy Evaluation Process.
- Discussions garnered consensus for ARIN to further develop RWHOIS and to take a position on the IPv6 Internet draft developed by IESG/IAB.
- Presentations were made on ARIN's early registrations transfer procedures, global RIR coordination efforts, and routing table concerns.
- A draft virtual web hosting policy was discussed, with additional suggestions presented for consideration by the ARIN Advisory Council.
- Expanded hours were announced for the ARIN registration services help desk, from 7:00 a.m. to 7:00 p.m. Eastern Time.
- Attendees were encouraged to review new draft templates available on the ftp site.
- Work on ARIN website redesign and a new quarterly on-line newsletter was announced.



[Meeting minutes are found at: http://www.arin.net/minutes/ARIN_VII/index.html]

WORKING GROUPS

Working groups are at the heart of the policy formation process. The ARIN Working Group activities are discussed below.

Database Implementation Working Group (DBWG)

ARIN's Database Implementation Working Group (DBWG) was busy with the task of establishing a new ARIN database schema and associated registration software. Through the hard work of the ARIN engineering staff and the active participation of DBWG members, the new schema and software should be delivered in Q2 2002.

Based on the consensus given at the April Public Policy meeting, ARIN followed through with the task of updating RWHOIS. The DBWG drove this effort and will be instrumental in facilitating beta testing and release of the new software.

Community Learning and Education Working Group

ARIN's Community Learning and Education Working Group (CLEW) was active in establishing the goals of ARIN's member services and outreach activities. As a result of the emphasis placed on these goals, the ARIN Member Services Department was created.

Routing Table Measurement and Analysis

The Routing Table Measurement and Analysis (RTMA) working group actively monitored the impact of ARIN's allocation policies on the routing table. Working group activity included a weekly routing table report submitted to the working group mailing list, participation at meetings related to routing table growth, and an open discussion with a panel of experts about the routing table at the ARIN public policy meeting.

IPv6 Working Group

The IPv6 working group actively discussed an IAB/IESG recommendation to establish a /48 as the standard reassignment size for IPv6 sites. After thorough discussion on the IPv6 working group mailing list and public policy meetings, consensus was gathered and the ARIN Board of Trustees ratified a new policy in line with the recommendation.

Appendix 1 - Lists

ARIN Board of Trustees

Chairman

John Curran
Vice President of Internet Technology
XO Communications

Secretary

Scott Bradner
Senior Technical Consultant
Harvard Office of the Provost
Harvard University

Treasurer

Michael Straty
Global Network Implementation Leader
Business Mergers and Acquisitions
The Dow Chemical Company

President

Raymond Plzak
President and CEO
American Registry for Internet Numbers, Ltd.

Trustees

David Conrad
CTO and Vice President of Engineering
Nominum, Inc.

Scott Marcus
Chief Technology Officer
GENUiTY Inc.

ARIN ADVISORY COUNCIL

Chairman

Alec Peterson, CenterGate Research Group

Members

Steve Corbató, University Corporation for Advanced Internet Development (UCAID)

Bill Darte, CAIT - Washington University

Avi Freedman, Akami Technologies

Mark Kusters, VeriSign

Tony Li, Procket Networks

Bill Manning, University of Southern California

Kevin Martin, Pair Networks, Inc.

Guy Middleton, UUNET Canada

Justin Newton, AboveNet Communications

Jeremy Porter, Wayport

Ron Roberts, Stanford University

Barbara Roseman, Global Crossing

John Sweeting, Teleglobe

Cathy Wittbrodt, Consultant

ICANN

ASO Member of the Board of Directors

Kenneth Fockler, Tenac Consulting

ASO Address Council – ARIN Region

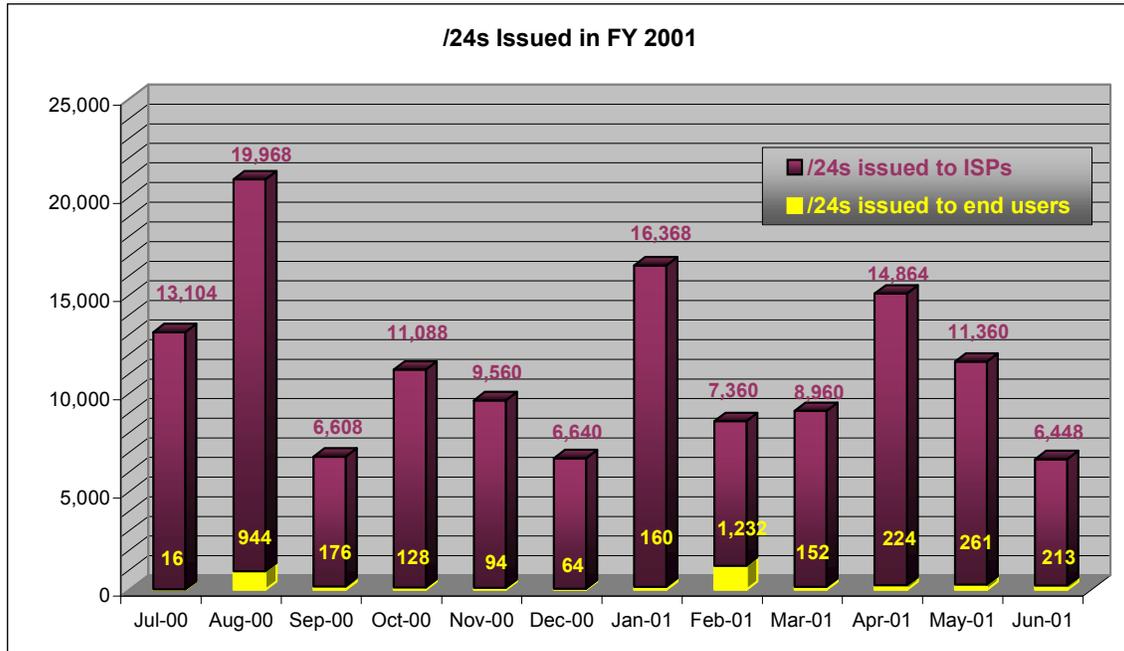
Raimundo Beca, Telefónica CTC Chile

Barbara Roseman, Global Crossing

Cathy Wittbrodt, Consultant

Appendix 2 – Registration Statistics

IPv4 Allocations and Assignments. The total number of /24s issued for FY 2001 was 135,992, including all address blocks issued to ISPs, end user organizations, and microallocations made to critical Internet Exchange Points (IXPs). This represented an average of 11,333 /24s issued per month.

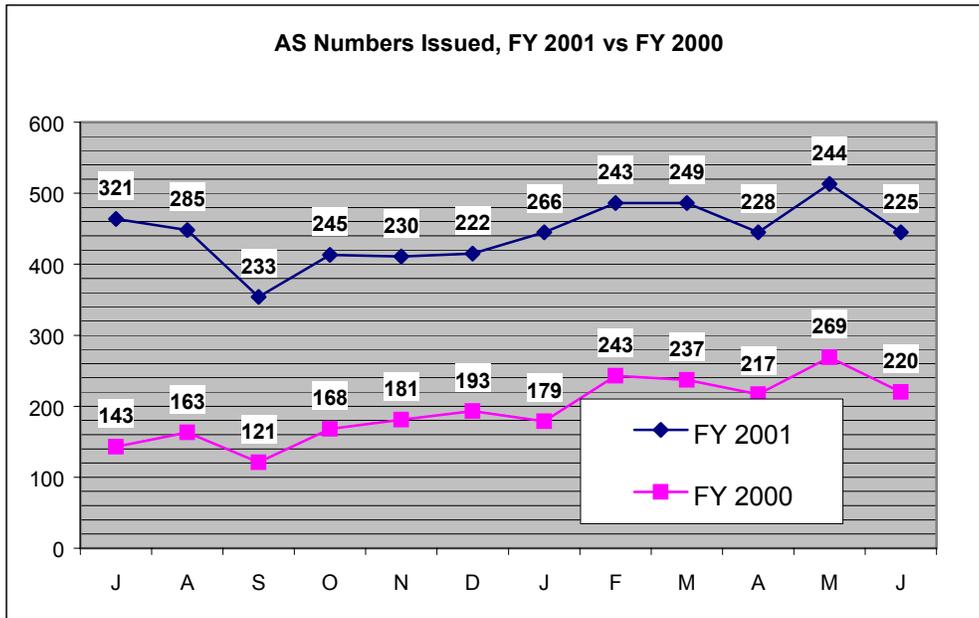


IPv6 Allocations. FY 2001 represents the first full-year of IPv6 allocations for ARIN. The number of initial allocations, set on a prefix boundary of /35 increased throughout the year. A comparison of IPv6 by the three RIRs shows the overall allocations globally.

APNIC	31
ARIN	19
RIPE NCC	41
TOTAL	91

SWIP Template Processing. Processing the Shared WHOIS Project (SWIP) templates used by subscribers for providing reassignment information to ARIN's database represented the single greatest level of effort expended by the RSG staff. An average of 39,145 requests were manually processed each month and an additional 28,611 templates were automatically processed monthly last year.

AS Numbers Issued. Concern was generated this year over the rate of AS Number allocations and their possible depletion in the near future.



Transfer Requests. There were 187 transfers completed during the fiscal year with an average of 16 transfers per month.

Modify Templates. The number of modify template emails received totaled 13,561, averaging 1,130 on a monthly basis.

Processing Hostmaster Emails. Registration Services analysts processed 18,823 emails addressed to hostmaster over the course of the fiscal year. This averaged 1,569 per month.