



1994 in Review: Part I

In the next two editorials I will present the data for the journal year 1994, i.e., Volume 33. This presentation is consistent with the information for Volumes 30, 31, and 32 that was published in the journal in the February and March issues of the year following the volume year. (However, the 1992 data were presented in the January and February issues of 1993.) Also, don't forget the erratum published in the December issue of 1994.

Table 1 Major statistics and the percentage change since 1993.

• Number of journal pages	4184	+23.1%
• Number of technical pages	3950	+28.0%
• Number of papers published	527	+24.6%
• Number of authors	1670	+31.5%

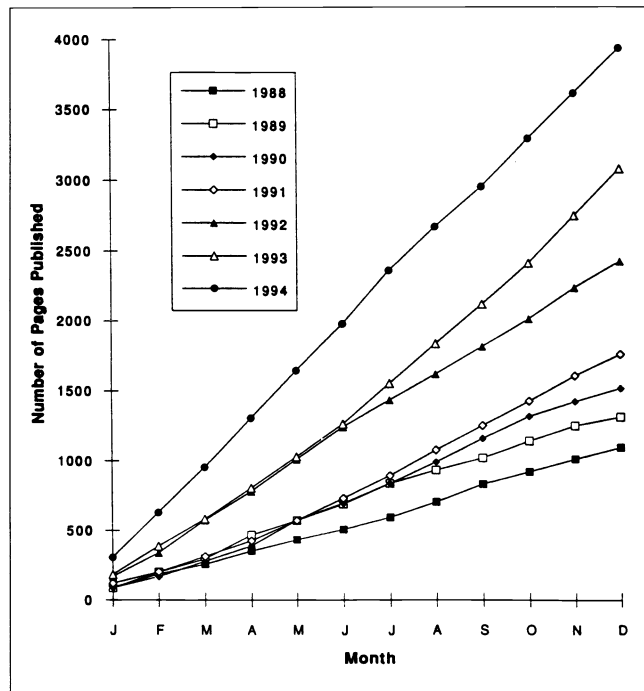


Fig. 1 Number of technical pages published by month—1988 to 1994.

The year 1994 was again a busy year for the journal, with a further expansion required based on the major statistics that are shown in Table 1. The number of pages increased by about the same percentage as the change from 1992 to 1993. Again, it is important to note that the number of authors of the 527 papers is just the sum of all authors. A number of individuals were authors of multiple papers, some of five or six.

Figure 1 shows the number of technical pages published each month for the years 1988 to 1994; the graph is cumulative in each year. There has been a fourfold increase over the period since 1988—with the most significant part of that increase occurring since 1991.

Special sections of the journal were again a feature of the publication program. There were 220 special papers for 41.7% of the total number of papers published; this is lower than last year in actual number and percentage (231, 54.6%). The regularly submitted papers totaled 307 for 58.3%. This change was part of our plan for 1994 to reduce the number of specials and the number of papers in each special. The plan has allowed us to publish the regular papers on a more timely basis.

Table 2 Number of papers published by country of first author—1994.

NUMBER OF PAPERS	COUNTRY
224	United States
33	India
31	China
25	Ireland
24	Japan
22	Germany
17	Russia
16	Israel
15	South Africa
12	England
10	Australia, Canada, Poland
8	France, Taiwan
5	Italy, Korea, Mexico
	Netherlands, Norway
4	Switzerland, Ukraine
3	Finland, Hong Kong, Spain
	Sweden, Singapore
2	Turkey, Scotland
1	Argentina, Austria, Belarus
	Brazil, Czech Republic, Denmark
	Greece, Hungary, New Zealand
	Romania

Table 3 Number of papers from the United States by state of first author—1994.

NUMBER OF PAPERS	STATE
33	California
17	Massachusetts
13	Maryland, New York
12	New Mexico, Texas
11	Alabama
10	Ohio, Pennsylvania
9	Arizona, Indiana
8	Florida
7	Colorado
6	Connecticut
5	District of Columbia, Illinois Tennessee, Virginia
4	New Jersey
3	Georgia
2	Iowa, Louisiana, Michigan, Missouri, Nebraska, New Hampshire, Washington, Utah
1	Alaska, Delaware, Idaho, Kentucky, Minnesota, North Carolina, Oklahoma, Oregon, South Carolina, Vermont, Wyoming
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224	

Table 4 Total number of authors by country—1994.

NUMBER OF AUTHORS	COUNTRY
678	United States
108	Germany
101	India
99	China, Ireland
82	Japan
67	Russia
53	Israel
50	France
45	South Africa
27	England
24	Australia, Canada
20	Italy
19	Poland
17	Taiwan
15	Korea
14	Switzerland
12	Ukraine
11	Hong Kong, Singapore
9	Mexico, Spain
8	Finland, Netherlands, Sweden
7	Norway
6	Scotland, Turkey
5	Brazil
4	Argentina, Belgium
3	Belarus, Denmark, New Zealand, Romania
2	Austria, Czech Republic
1	Bulgaria, Greece, Hungary, Yugoslavia
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1670	

Eighty-five of the published papers (16.1%) were revised versions of papers that had been given at conferences and appeared in published proceedings. Of course the papers had been significantly revised and reviewed before publication in the journal. The average length of all papers published during 1994 was 7.5 pages, up very slightly from 1993 (7.3 pages);

Table 5 Total number of authors by state—1994.

NUMBER OF AUTHORS	STATE
128	California
46	New Mexico
44	Massachusetts
37	Maryland
35	New York, Texas
33	Ohio
32	Pennsylvania
30	Alabama, District of Columbia
22	Arizona
20	Florida
18	Indiana, Virginia
17	Colorado
13	Michigan
12	Connecticut, New Jersey
11	Illinois
10	Tennessee
9	Missouri
8	Georgia
7	Iowa
6	Minnesota, Washington
5	Alaska, New Hampshire
4	Idaho, South Carolina, Utah
3	Kentucky, Louisiana, Nebraska
2	Delaware
1	North Carolina, North Dakota, Oklahoma, Oregon, Wisconsin, Wyoming
<hr/>	
678	

it should be noted that the length has been quite constant over recent years (7.4, 7.6, 7.3, and 7.5 for the last four years).

Table 2 shows the number of papers published by the country of the first author; there are 39 countries represented in this international family of authors. Papers from the United States were 42.5% of the total, which is not significantly different from the previous year. Table 3 provides a breakdown of the papers from the United States by state of origin of the first author.

Table 4 provides information on all authors associated with the 527 papers. These authors came from 42 countries. Of these 1670 authors who wrote the 527 papers, 1071 (64.1%) were associated with universities and colleges, 349 (20.9%) with governmental laboratories, and 250 (15.0%) with industry. Optical engineering is alive and well in all three areas.

We broke all records in 1994—two papers had 24 authors listed!

Finally, Table 5 gives a breakdown by state of the 678 authors from the United States—California leads the way again.

Stay reading for a continuation of this review next month.

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Editor

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