MEMBERSHIP STATEMENT

INDIVIDUAL MEMBERSHIPS IN A C L
BY STATUS AT THE END OF 1975

Members paid through 1976   5

Members paid through 1975 571

Members paid through 1974 121

Exchange and gift subscriptions 47

EDITOR'S REPORT

During 1975, this Journal published 20 contributions through the ordinary channels of review; it also published two microfiches of abstracts from the Varna conference and five microfiches of proceedings of the 1975 Annual Meeting of the Association for Computational Linguistics. A directory of members also appeared.

Early in 1975, the Journal announced an experimental procedure for review of submissions; the author could submit a 600-word summary for distribution to all members of the Editorial Board. Of the last 30 submissions, 15 have used this procedure. Contributors and Board members appear satisfied with the results.

The number of microfiches distributed in the 1975 subscription was 22, up from the 14 distributed to 1974 members. But the number of frames increased from 900 to 1700, roughly; as anticipated, the average number of frames filled is going up

Since the first announcement of the Journal, 86 submissions have been received. Their present status is shown at the top of the following frame.

31 have been published

18 are with the author for minor revision

15 are with the author for major revision

16 have been rejected

3 are in process

2 have been returned as unsuitable or withdrawn

At the end of March, 1975, 10 manuscripts were out for minor revision; 4 of them have been published. Of the 7 then out for major re sion, two have been published. We might thus expect to publish as many as 7 or 8 of the manuscripts now out for revision, making a total of about 36 of 81 received; our ultimate acceptance rate may be around 45%.

The financial support of the National Science Foundation, which continued through 1975, and the unpaid help of both the State University of New York and the Xerox Palo Alto Research Center (the latter is processing bibliographies and indexes) have been most significant in establishing the new Journal. The work of the Editorial Board, editorial aides, and the staff of the Center for Applied Linguistics are also important.

SURVEY OF MEMBERS

PRELIMINARY REPORT

The last mailing of the 1975 subscription included a question-
naire about the level and direction of members interests,
their use of the Journal, and their preferences among three
forms of publication: microfiche, paper, and mixed.

By the end of January, 200 replies had arrived and the rate of
arrival had diminished * The present report makes no interpre-
tations or explanations; the figures are here for the Editorial
Board, the Executive Committee, and the members to examine.
All written comments received in response to the questionnaire
are presented following the numerical data.

Members who have strong opinions about the policy the Associa-
tion should adopt may write to any officer of the Journal or
Association; but prompt action is needed in order to permit
planning and development of manuscripts for the 1977 volume.

* The issue left the editor on November 7; the questionnaire
was to be returned "by December 31." Due to unforeseen delays,
the issue reached readers beginning immediately after Christmas
in the Washington area, and late in January in Hawaii and abroad.

RESPONSES TO SINGLE QUESTIONS

1   How many AJCL microfiches have you read?

     None   30
     One   20
     2 to 5   61
     6 or more   88
     No response   1

2.   How can you read a microfiche?

     Own a microfiche reader   50
     Go to a convenient place   80
     Go to an inconvenient place   64
     No means available   6

3.   How many AJCL opaque cards have you examined carefully or
     read through?

     None   6
     1 to 5   18
     6 to 10   40
     11 or more   135
     No response   1

4.   How significant is the material in AJCL to you?

     Highly significant; I need much of the content of
     AJCL in my work   32

     Fairly significant; I sometimes need information
     of the kind I have seen published in AJCL   131

     Hardly significant; I rarely need anything from AJCL   32

     Not significant; nothing I have seen in AJCL would
     be useful to me   2

     No response   3

5. What do you want ACL to supply to you?

Original papers	181	
Survey papers	161	CHECK AS MANY
Bibliography	151	AS APPROPRIATE
News	149	

6. Judging from your own opinion and what you know of your colleagues, does AJCL probably lose contributions to other journals because they are printed and AJCL is on microfiches?

Yes, AJCL's format loses contributions   75
No, AJCL's format probably does not lose contributions 82
No response   43

7. Is a microfiche printer available to you if you want full-size copy?

Yes	86
No	106
No response	8

8. If AJCL offered paper copies of the articles on microfiche, sent by mail at S2 per article (up to 97 pages), how many would you have bought in 1975?

None	88
One	21
2 or 3	64
4 or more	21
No response	6

9. Which of the following plans do you want AJCL to carry out?

Microfiche publication; about 2000 manuscript pages
per year   116

Paper publication; about 500 manuscript pages per year
without an increase in dues   24

Mixed publication; about 250 manuscript pages per year
printed on paper, supplemented by about 1000 manuscript
pages on microfiches   44

No response   16

10. If AJCL continues to publish on microfiches, but offers a
subscription on paper at a high price as an alternative,
would you pay $20 to $30 extra for yourself?

Yes   13
No   181
No response   6
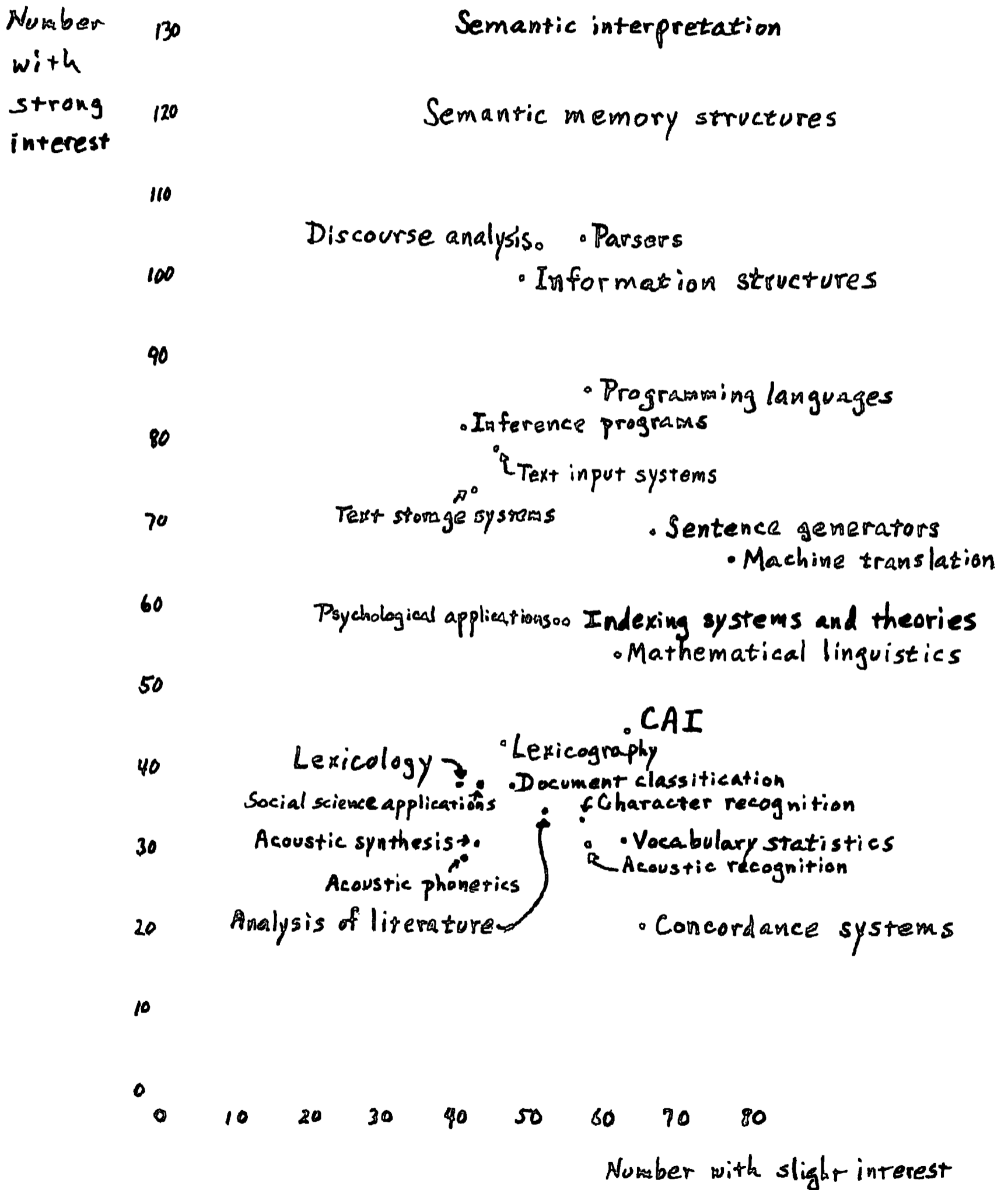
11. If AJCL continues to publish on microfiches, what do you
expect to do?

Resign from the Association   10
Pay dues without reading the Journal   18
Buy (or borrow) a reader   33
Continue a satisfactory arrangement for reading fiches   133
No response   6

12. Indicate your range of interests by checking as many boxes
as appropriate. Leave blank the topics that do not interest
you. (The purpose of this question is guidance for the
Editorial Board.)

The answers are tabulated on the next frame and displayed
in a graph on the next following frame. Thereafter the
cross-tabulation of groups of questions begins.

Topical category	Level of interest	
	Strong	Slight
Acoustic phonetics	29	40
Acoustic recognition	31	57
Acoustic synthesis	31	42
Character recognition	34	56
Text input systems	79	43
Text storage systems	74	40
Parsers	105	54
Sentence generators	69	64
Semantic interpretation	131	33
Discourse analysis	104	48
Semantic memory structures	120	30
Mathematical linguistics	54	60
Lexicography	43	45
Lexicology	38	39
Concordance systems	21	64
Vocabulary statistics	32	62
Inference programs	82	38
Programming languages	87	55
Information structures	100	46
Indexing systems and theories	58	53
Document classification	38	46
Machine translation	66	75
Psychological applications	58	52
Social science applications	38	42
Analysis of literature	35	51
Instructional systems (CAI)	45	62

Number
with
strong
interest

130 — Semantic interpretation

120 — Semantic memory structures

110

Discourse analysis. ·Parsers
100   · Information structures

90

                                    · Programming languages
80   ·Inference programs
                    °·Text input systems
                                    ·Sentence generators
70   Text storage systems
                                         · Machine translation

60   Psychological applications.. **Indexing systems and theories**
                              ·Mathematical linguistics

50

                                    ·CAI
40   Lexicology →   °Lexicography
                              ·Document classification
        Social science applications   ·Character recognition
30   Acoustic synthesis→·   · ·Vocabulary statistics
                                        ·Acoustic recognition
        Acoustic phonetics
20   Analysis of literature   ·Concordance systems

10

0
    0   10   20   30   40   50   60   70   80

RESPONSES BY LEVEL OF SIGNIFICANCE OF AJCL

In these tables, each cell reports the number of members (out of 200) who give specified answers to question 4 (How significant is the material in AJCL to you?) and another question, jointly. In the first table, the number of members who find AJCL fairly significant and have read 6 or more microfiches is 48.

1. How many microfiches have you read?

Significance	Number of microfiches read				
	0	1	2-5	6+	NA
High	2	4	5	20	1
Fair	19	10	43	59	
Low*	9	6	13	9	

*Includes Hardly or Not significant and no response.

2. How can you read a microfiche?

Significance	Method of reading microfiches			
	Own reader	Convenient place	Inconvenient place	No means
High	5	14	12	1
Fair	35	56	37	3
Low	10	10	15	2

3. How many AJCL opaque cards have you examined or read?

Significance	Number of cards read				
	0	1-5	6-10	11+	NA
High		2	4	25	1
Fair	5	6	29	91	
Low	1	10	7	19	

5. What do you want AJCL to supply to you?

Significance	Original papers	Survey papers	Bibliography	News
High	31	29	27	30
Fair	120	103	102	97
Low	30	29	22	22

6. Does AJCL probably lose contributions?

Significance	Does lose	Does not lose	No response
High	17	12	3
Fair	44	58	29
Low	14	12	11

7. Is a microfiche printer available to you?

Significance	Printer available		
	Yes	No	NA
High	13	16	3
Fair	57	71	3
Low	16	19	2

8. How many articles would you buy from AJCL at $2?

Significance	Number of articles				
	0	1	2-3	4+	NA
High	13	2	10	6	1
Fair	57	13	46	11	4
Low	18	6	8	4	1

9. Which plan do you want AJCL to carry out?

Significance	Microfiche	Paper	Mixed	No response
High	19	1	8	4
Fair	77	14	30	10
Low	20	9	6	2

10. If AJCL publishes microfiches, would you pay $20 for paper?

Significance	Yes	No	NA
High	2	29	1
Fair	8	119	4
Low	3	33	1

11. If AJCL continues on microfiches, what will you do?

Significance	Resign	Pay dues, not read	Buy a reader	Continue as now	NA
High		1	8	21	2
Fair	5	12	19	91	4
Low	5	5	6	21	

RESPONSES BY CONVENIENCE OF READING MICROFICHES

In these tables, each cell reports the number of members (out of 200) who give specified answers to question 2 (How can you read a microfiche?) and another question.

1   How many microfiches have you read?

Convenience	Number of microfiches read				
	0	1	2-5	6+	NA
High*	5	8	46	70	1
Low**	25	12	15	18	

* Own a reader or go to a convenient place
**Go to an inconvenient place or have no means

3. How many AJCL opaque cards have you examined or read?

Convenience	Number of cards read				
	0	1-5	6-10	11+	NA
High	3	13	26	87	1
Low	3	5	14	48	

4. How significant is AJCL? (See table above.)

5. What do you want AJCL to supply to you?

Convenience	Original papers	Survey papers	Bibliogrpahy	News
High	118	105	97	94
Low	63	56	54	55

6. Does AJCL probably lose contributions?

Convenience	Does lose	Does not lose	No response
High	32	73	25
Low	43	9	18

7. Is a microfiche printer available to you?

Convenience	Printer available		
	Yes	No	NA
High	65	59	6
Low	21	47	2

8. How many articles would you buy from AJCL at $2?

Convenience	Number of articles				
	0	1	2-3	4+	NA
High	69	16	36	8	1
Low	19	5	28	13	5

9. Which plan do you want AJCL to carry out?

Convenience	Microfiche	Paper	Mixed	No response
Hign	93	6	24	7
Low	23	18	20	9

10. If AJCL publishes microfiches, would you pay $20 for paper?

Convenience	Yes	No	NA
High	3	125	2
Low	10	56	6

11. If AJCL continues on microfiches, what will you do?

Convenience	Resign	Pay dues not read	Buy a reader	Continue as now	NA
High	1	5	11	112	1
Low	9	13	22	21	5

RESPONSES BY CONVENIENCE AND SIGNIFICANCE

In the following tables, each cell reports the percentage of members who indicate a given degree of significance for the material in AJCL, a given degree of convenience in reading microfiches, and a specified answer to a third question. For example, 91 of 200 members find the material fairly significant and have a convenient means of reading microfiches. Of those 91, 48 have read 6 or more microfiches; 48 constitutes 53% of 91, so the entry in the indicated cell is 53.

1. Percentage who have read 6+ microfiches

Significance	Convenience	
	High	Low
High	74	46
Fair	53	27
Low	40	6

3. Percentage who have read 11+ cards

Significance	Convenience	
	High	Low
High	84	69
Fair	67	75
Low	50	53

5. Percentage who want AJCL to publish original articles

Significance	Convenience	
	High	Low
High	95	100
Fair	91	92
Low	85	76

Percentage who want AJCL to publish survey articles

Significance	Convenience	
	High	Low
High	84	100
Fair	81	72
Low	75	82

Percentage who want AJCL to publish bibliography

Significance	Convenience	
	High	Low
High	79	92
Fair	78	77
Low	55	65

Percentage who want AJCL to publish news

Significance	Convenience	
	High	Low
High	95	92
Fair	71	80
Low	55	65

6. Percentage who think AJCL loses contributions

All respondents				Excluding no response		
Significance	Convenience			Significance	Convenience	
	High	Low			High	Low
High	32	84		High	35	92
Fair	25	52		Fair	33	78
Low	15	65		Low	23	85

7. Percentage who have a printer available

Significance	Convenience	
	High	Low
High	47	30
Fair	48	32
Low	60	24

8. Estimate of number of printed papers that would be pur-
   chased, per member in the category; assuming 2.5 papers
   if the answer is 2 or 3, and 5 papers if the answer is
   4 or more.

Significance	Convenience	
	High	Low
High	1.2	2.4
Fair	1.3	1.7
Low	0.5	2.2

9. Percentage who prefer each publication policy

Significance	Convenience					
	High			Low		
	Micro	Paper	Mixed	Micro	Paper	Mixed
High	63	5	21	54		31
Fair	71	4	20	30	25	30
Low	80	5	10	24	47	24

The percentages for the three policies should add to 100
in each category of convenience and significance, but the
percentage who did not answer is not shown.

10. Percentage who would pay $20 to $30 extra for paper

Significance	Convenience	
	High	Low
High	5	8
Fair	2	15
Low	0	18

11. Percentage who intend to take each action if AJCL continues to publish microfiches

Convenience	Significance	Resign	Not read	Buy a reader	Continue as now
High	High	0	0	11	89
	Fair	0	5	9	85
	Low	5	0	5	90
Low	High	0	8	46	31
	Fair	12	17	27	35
	Low	24	29	29	18

Each row of the table should sum to 100%, but some did not respond to question 11.

LONG COMMENTS

Here's my survey questionnaire. Anent the decision as to where
to go from here, I have a very strong recommendation to make. I
think you're in a pioneering position on something very important,
and should stick with it, certainly for at least two or three
more years if at all possible. The major difficulty and source
of objections, I think, is not any of the arguments against
microfiche that you outline, but simply the difficulty people
have in adopting radically new habits in such a fundamental ac-
tivity as reading.

Which brings me to the second point. I think that as a pioneer,
the Editorial Board of the AJCL has a responsibility to try to
make the experiment succeed, and not just sit back and watch.
Specifically, I think it's very important to make available to
subscribers a microfiche reader which works reasonably well, is
not terribly expensive, and most importantly, is easy to acquire.
I would bet that if you arranged with a manufacturer or dealer
to supply a small, practical reader in the $25-$35 price range,
which people could order simply by writing their name and address
on an addressed, postage-paid return card included in an AJCL
packet, at least a hundred would be sold within a month You
would have done your readers a service, and would also have
broadened the base of those who are in a position to make use of
the microfiche format.

There are a variety of details to be considered in implementing
such a plan, for instance, that the supplier should be prepared
to make exchanges for defective units, but I'm sure that the
members of the Editorial Board are as alert to these as I am. I
would appreciate hearing what reaction people have to this
suggestion.

<div style="text-align: right;">

Paul G. Chapin
National Science Foundation
Washington, D.C. 20550

</div>

I am quite pleased at receiving the AJCL on microfiche and would hope that other organizations to which I belong would at least offer optional microfiche subscriptions to their journals. I find myself inundated with printed publications and am running out of space to store these valuable documents; I do not want my office or my home turned into a library.

When I receive a copy of the AJCL, I read through the opaque cards looking for paper summaries that interest me. When I find such a paper, I use the department's microfiche reader to browse through it. Occasionally I have the library make a paper copy for me so that I can study papers without access to a microfiche viewer.

One service which I think might be useful for AJCL subscribers without such convenient access to hard-copy microfiche machines would be an opaque card which one could use to order paper copies of selected articles.

James R. Rhyne
Department of Computer Science
University of Houston, Texas 77004

The microfiche journal is the best thing ACL has got going for it. In the last couple of years, I've been letting my memberships in a number of organizations lapse. One of the principal reasons is that I simply can't cope with the flood of paper which results from memberships. My house and office get cluttered up with stacks of magazines that can't be chucked because one article in a dozen looks as if it ought to be read some time. It's gotten to the point where new issues go straight from the mailbox to the recyclery. For this "service", one pays extra.

Microfiche solves that; I've got two years' worth of ACL output in a 6" x 6½" metal box, and there's room for two more years. If I ever run out of room for metal boxes, I can cull out selected cards.

By all means, make your "experiment" permanent!
                              Anonymous

More notes on your questionnaire!

(1) I have been getting IEEE Computer, IEEE Computer Transactions, and IEEE Spectrum since 1969 on microfiche. I no longer have paper copies of these earlier issues. I bought a cheap microfiche reader in 1969.

(2) I bought a Realist (Xerox 320) 1½ years ago.

(3) I also get now AJCL Journal (yours), Scientific American (Bell & Howell), IEEE Software Engineering regularly on microfiche.

(4) I buy selected titles from NTIS and University Microfilms (Micromedia--kids books). I subscribe to NTIS computer weekly abstracts @$30/yr. No company reimbursement.

(5) After a years research I have produced my first amateur microfiche at home which dops on a Bruning. (So I now will be a publisher!)

(6) I am a microfilm/microfiche COM expert in Management Systems at work (only part time). I am a systems analyst on data center management software.

(7) Being an engineer and an analyst AJCL is currently a peripheral area of interest. I would not have joined your organization if your journal was only on paper. I got into microfilming because I was running out of space.

(8) I believe I will be able to keep a tremendously large number of journals, magazines, professional or pleasure reading books if they are on microfiche. By keeping good inventories in a safety deposit box I will have good insurance and replacement in case of fire.

(9) Able to microfilm (fiche) myself I will be able to archive
(and back up against fire) any book or paper I work on. It would
be easier to correspond and exchange papers with someone around
the world or U.S. Lower postage.

(10) I would like to see all hard bound and paper back books,
all magazines available on microfiche. The savings for the
Library of Congress and copyright office would be tremendous.
These fiche should also be available to individuals from the
publishers.

(11) I also get the ACM Communications, and ACM Surveys on fiche

I trust I will see the results of your survey, and maybe my let-
ter, in the next AJCL Newsletter.

<div style="text-align:center">

Neil R. Karl
21425 Duns Scotus
Southfield, Michigan 48075

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Your recent questionnaire on the AJCL format invited additional
comment   I may be biased but I think micropublication of our
journal is a superb answer to the twin problems of skyrocketing
publication/distribution costs and the need to disseminate more
information to students of this growing field.

No serious student or scholar should be without a microfiche
reader. Good compact readers from $100 (the Bell & Howell
Brief Case reader) to $214 (the Washington Scientific Industries
Mini-Cat) are available. Surely a modest investment for a
life-time of use.

I do think, however, that you can more effectively package the
microfiche for increased user convenience. There are two basic
approaches: 1) Bind fiche envelopes and the eye-legible cards
together before they are distributed to subscribers or 2) provide
subscribers with a convenient microfiche binder file.

<div style="text-align:center">

Thomas F. Deahl, Microdoc
815 Carpenter Lane, Philadelphia 19119

</div>

It is my opinion that far from being a disadvantage, microfiche is a positive advantage. Already a large amount of my home and office space is devoted to storing technical journals which I have saved over the years, and as time passes the problem will only get worse. I only hope that you will continue to distribute AJCL on fiche, and that other journals will follow your example.

I do, however, find the small size of the opaque cards to be inconvenient. Perhaps you could combine all the opaque cards in each issue into one or two 8½x11" sheets, which could be folded when mailed, then spread open and collected in a looseleaf or other book when received.

Norman Haas
35-20 Leverich Street
Jackson Heights, N.Y. 11372

While having the freedom to publish very detailed accounts of large programs is useful I think that a more space conscious medium would encourage more concise descriptions. The freedom to be verbose does not strike me as a good idea in this field!

Also, it is difficult to judge the effect of the microfiche format on soliciting manuscripts because the journal is new and thus has no developed prestige.

Unsigned

Although I do not object to microfiche format, I find the organization of opaque cards and fiche sometimes confusing and easily disordered.

Unsigned

I'd like to see ACL offer--at a good price--a fiche reader. My intuitive requirements are 1) "book-page" size image, 2) stowable, 3) transportable, 4) under $100. Comment?

Peter Z. Ingerman
40 Needlepoint Lane
Willingboro, N.J. 08046

I believe the best alternative would be to 1) continue journal on microfiche, 2) arrange to sell inexpensive readers to subscribers through ACL (or widely publicize where and for how much readers are available) 3) offer hard copy versions of articles by individual order.

<div align="center">Unsigned</div>

I am a computer programmer by profession and my interest in linguistics extends only to those areas which are directly applicable to computers. Even there my interest is more concerned with the practical side rather than with esoteric theory. Since most of what you print can only be considered as future referent material by me, your printing of the journal on microfiche is eminently satisfying to me; in fact, if you switched entirely to paper, I would have to seriously consider my continued receiving of the journal.

<div style="text-align:right">Robert D. Kluto
2179 Pacific Avenue
San Francisco, California 94115</div>

SHORT COMMENTS

General

Fiche is good for scanning and storing info where only occasional reference is needed. Paper copy needed for the few papers of frequently needed reference.

It didn't even reach me until Jan. 5. probably due to a poorly registered address label. (I bet a lot don't make it if they're all as bad as mine.)

I am a student and could not afford AJCL publications in printed form.

You might make the microfiche envelope larger (to contain the opaque copy) and use face of envelope to print information on it

You should have asked how long I was a member to interpret this stuff.

Sorry this is late   One of my major reasons for subscribing to AJCL is that it is published in microfiche.

For $10 a year I am very satisfied. You might consider negative contrast to ease the eye strain

I haven't found time to read articles but expect to and like the format.

Love fiche.

At this moment I'm not working directly in the field of CL.

PLEASE NOTE: Negative, rather than positive, microfiche provides the clearest and easiest to read copy. An option for negative fiche copy would encourage a great deal of new memberships.

1) Do offer printed copies. 2) Currency is far more important than "prestige" (whose?)

Only major complaint about fiche is that all the readers are lousy on the eyes.

I prefer to be forced to get used to microfiche because paper should not be wasted.

Despite the current inconvenience for me of microfiche publication, I am in favor of continued publication on the grounds that maybe it'll spread and eventually encourage better reader technology.

A lot of good work is being done by people who are not too famous; it's very important that it should be published inexpensively somewhere.

Question 1.

Answer 1: But unrelated to microfiche as medium.
Answer 0: Because "go to inconvenient place".
           Plan to buy a viewer as soon as I can afford one.
Answer 6: Parts only.

Question 2.

Answer own a reader: Have 2.
           Department.
           Recently.
           Very recently.
           Costs about as much as a small B/W TV set.
Answer go to a convenient place: Buying a reader.
Answer none: But on the way to buying a reader or hopefully
           going to a convenient place.

Question 3.

Answer 6-10: All received
Answer 11+:   All.

Question 4.

Answer highly: Word "much" converted to "some".
Answer hardly: On my job now.

Question 5.

Answer all checked: Papers not accepted submitted elsewhere.

Question 6.

Answer yes: But it gains others who need the pages.
           Most likely.
           But it is still experimental. Give it a chance.
           Loses some but gains others that are too long for
           publication elsewhere.
           Probably. Difficult to be sure since it is a new
           journal.
           At least it would lose mine.
           But because of the format, gains others. Balance
           probably even.

Answer no: Don't know but I suspect not since alternatives are so few.

I feel there is more prestige in microform.

Question 7.

Answer yes: Inconvenient and costly.

But not good.

Probably, I don't really know.

New one. I haven't used it yet, don't know how well it works.

At cost.

But only electrostatic process. Not clear or good type.

At an inconvenient place.

With inconvenience.

Very difficult to access, though.

Question 8.

Answer 1: For use with students.

Answer 2-3: Good idea.

This is the best offer yet--a postcard return to get paper copies of wanted articles only.

No answer: Probably too expensive (postage).

Depends on the article content; question is not very good.

Question 9.

Answer fiche: With option of question 8.

With option of #8, option of Finite String as part of this option, devote several cards of an issue to microfiche readers, their advantages and disadvantages and cost.

(To "mixed") NO! One format only.

Answer mixed: Fiche with option to order hard copy.

Bit depends on which goes where.

Answer other: Either fiche or paper but not mixed.

Either fiche or mixed. No paper.

Paper and mixed. Depends on mix.

Question 10.

Answer no: Would use a library copy and xerox.

            Probably not.

            Offer on paper only.

Answer ?   Yes and no; pay more for the larger journal to

            continue; prefer microfiche.

            Stupid question--depends on question 8 situation.
            If paper copies of separate articles not available
            probably so--otherwise not.

Question 11.

Answer continue: Continue a "fairly" satisfactory method.

            Would buy "possibly if other material also available."

            Continue an "unsatisfactory" arrangement.

            Continue a-satisfactory arrangement for ...

            Continue an "un" satisfactory...

            Continue to "look for" satisfactory...

Answer not read: I find microfiche inconvenient but do read
            articles of great interest.

Answer other: Not read as much as I would if it were on paper."

Question 12.

The following are not suitable topics for ACL to publish on:
Psychological applications social science applications, analysis
of literature, instructional systems, programming languages, and
information structures.

TUTORIALS
from the
IEEE COMPUTER SOCIETY

Text and References for Computer Networks: A Tutorial, June 18, 1975—296 pp.

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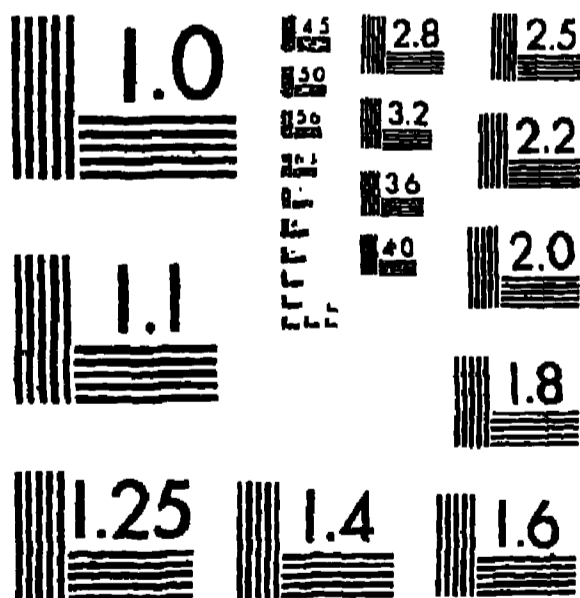Protection of Information ____ copy (copies) at $ ___   at $ _____

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