1998 (red)
1994 AIP MEMBER SOCIETY SIMPLE SURVEY

ALL FULL-TIME PHDS 1994 (red)
DEGREE SUBFIELD

Jeff Schmidt
Physics Today

VARIABLE IS degte
N is weighted by wt

Cell Contents are....
Cell Counts
Column Percent

		1998 OVERALL	1998 APS
Theoretical	1157.2	22%	29%
	23.8		
Experimental	2537.9	53	58
	52.2		
Both	957.2	22	12
	19.7		
Neither	212.8	3	1
	4.4		
Total N	4865.2		
Col Pct	100.0		

Mainly physicists

SOCIETY MEMBERS (Physicists, chemists, engineers, geophysicists, ...)

ALL FULL-TIME PHDS 1994 (red)
WORK SUBFIELD

VARIABLE IS workte
N is weighted by wt
Cell Contents are....
Cell Counts
Column Percent

		1998 OVERALL	1998 APS
Theoretical	789.0	17	22
	17.4		
Experimental	1793.8	43	48
	39.5		
Both	1357.7	26	19
	29.9		
Neither	603.0	14	11
	13.3		
Total N	4543.5	N ≈ ~~2000~~ 2266	
Col Pct	100.0		

preliminary unpublished data
(close to final data)

1998 Data from Raymond Chu, 29 Oct. 98 (red).

1994 AIP MEMBER SOCIETY SAMPLE SURVEY | FROM PATRICK MULVEY, 18MAR.96. UNPUBLISHED DATA.

VARIABLE IS degte
N is weighted by wt

ALL FULL-TIME PHDS 1994
DEGREE SUBFIELD

Cell Contents are....
Cell Counts
Column Percent

Theoretical	1157.2
	23.8
Experimental	2537.9
	52.2
Both	957.2
	19.7
Neither	212.8
	4.4
Total N	4865.2
Col Pct	100.0

VARIABLE IS workte
N is weighted by wt

ALL FULL-TIME PHDS 1994
WORK SUBFIELD

Cell Contents are....
Cell Counts
Column Percent

Theoretical	789.0
	17.4
Experimental	1793.8
	39.5
Both	1357.7
	29.9
Neither	603.0
	13.3
Total N	4543.5
Col Pct	100.0

AIP EDUCATION AND EMPLOYMENT STATISTICS DIVISION

1998 MEMBERSHIP SAMPLE SURVEY

Please enter the appropriate numerical code into the bracket(s) provided or check the boxes. Note: If your response to a question is "other", and more space is needed, please elaborate in the comment box on page 3.

(1) To which of the following organizations do you belong? (Check all that apply)

- Acoustical Society of America ☐
- Amer. Association of Physicists in Medicine ☐
- Amer. Association of Physics Teachers ☐
- Amer. Astronomical Society ☐
- Amer. Crystallographic Association ☐
- Amer. Geophysical Union ☐
- Amer. Vacuum Society ☐
- Optical Society of America ☐
- The American Physical Society ☐
- The Society of Rheology ☐

(2) What is the level of the highest degree you completed as of March 1998? ⌊_⌋

1. Associates
2. Bachelors
3. Masters
4. Doctorate
5. Professional (e.g. M.D., J.D.) **and** PhD
6. Professional, **no** PhD

(3) What is the date of that Highest Degree? Year 19⌊_⌋⌊_⌋ Month ⌊_⌋⌊_⌋

(4) Did you earn that degree in the U.S.? ⌊_⌋

1. YES 2. NO

(5) Which of the following best describes the department from which you earned your highest degree? ⌊_⌋⌊_⌋

1. Astronomy
2. Chemistry
3. Education
4. Engineering
5. Geology
6. Geophysics
7. Ocean Science
8. Physics
9. Other Science
10. Non-Science

(6) What is the primary subfield of your highest degree? (Select code number of subfield from list on page 4 and enter here.) ⌊_⌋⌊_⌋

(7) Is your degree subfield primarily: ⌊_⌋

1. Theoretical
2. Experimental
3. Both
4. Neither

(8) Which of the following best describes the name of the department from which you earned your first bachelors degree? ⌊_⌋⌊_⌋

1. Astronomy
2. Chemistry
3. Education
4. Engineering
5. Geology
6. Geophysics
7. Mathematics
8. Physics
9. Other Science
10. Non-Science

(9) What is the year of your birth? 19⌊_⌋⌊_⌋

(10) Describe your citizenship. ⌊_⌋

1. U.S.
2. Non-U.S., Permanent Visa
3. Non-U.S., Temporary Visa

(11) Were you a full-time student during March 1998? ⌊_⌋

1. No, I was not a student
2. No, I was a part-time student
3. Yes (**Go to question 40**)

(12) Did you retire prior to March 1998? ⌊_⌋

1. No (**Go to question 14**)
2. Previously retired, currently employed
3. Yes

(13) At what age did you retire? ⌊_⌋⌊_⌋

(14) What was your primary employment status in March 1998? ⌊_⌋

1. Full-Time
2. Part-Time
3. Not employed, seeking work (**Go to question 39**)
4. Not employed, not seeking (**Go to question 39**)

Postdoctoral appointments are temporary positions in academe, industry or government; they primarily provide continued training or education in research.

(15) Were you holding a postdoctoral appointment during March 1998? ⌊_⌋

1. NO 2. YES

(16) Which of the following best describes how your employer defined your position during March 1998? ⌴

1. Permanent
2. Potentially Permanent (e.g. tenure-track)
3. Temporary - **postdoctorate** or trainee
4. Temporary - visiting faculty/scientist
5. Temporary - soft money position
6. Temporary – Other (**Explain in question 41**)

(17) Which of the following best describes your primary employment sector in March 1998? ⌴⌴

01. University (excluding Medical Schools)
02. 4-Year College
03. 2-Year or Community College, Tech Institute
04. Secondary School
05. University Affiliated Research Institute
06. University Medical School
07. Other Hospital/Medical Services
08. Professional Practice
09. Self-Employed
10. Small Business
11. Industry
12. Government (Federal, State or Local)
13. Federally Funded R&D Center (e.g. Argonne)
14. Other Non-Profit
15. Other (**Please explain in question 41**)

(18) What is the full name of the primary employer to which you referred in question 17?

_____

Employer Zip Code ⌴⌴⌴⌴⌴

Please leave blank.						

(19) Describe your work activity during March 1998. Primary ⌴⌴ Secondary ⌴⌴

01. Administration/Management
02. Applied Research, Long Range
03. Applied Research, Short Range
04. Basic Research
05. Clinical or Patient Care
06. Computer Applications
07. Consulting
08. Design, Development or Engineering
09. Teaching
10. Other (**Please explain in question 41**)

(20) What was your work subfield on March 1998? (Select code of your work subfield from the list on page 4 and enter here.) Primary ⌴⌴ Secondary ⌴⌴

(21) Is your work subfield primarily: ⌴

1. Theoretical
2. Experimental
3. Both
4. Neither

(22) Which of the following best describes your primary professional self-identification? ⌴⌴

1. Astronomer
2. Chemist
3. Computer Scientist
4. Engineer
5. Geologist
6. Geophysicist
7. Ocean Scientist
8. Physicist
9. Other Scientist
10. Non-Scientist

(23) What was your base annual salary from your primary employer as of March 1998?

Base Salary $⌴⌴⌴,⌴⌴⌴

Do not include pensions, bonuses, overtime, summer teaching, honoraria or other payments from secondary jobs.

(24) Did you receive **additional** professional income during the period April 1997 to March 1998 from the following sources? (Check all that apply.)

Consulting ☐
Summer 1997 Teaching ☐
Summer 1997 Research ☐
Other (**Please explain in question 41**) ☐

Estimate the amount of additional income from these four sources. (Do not include basic annual salary or income received from bonuses.)

Additional Income $⌴⌴⌴,⌴⌴⌴

(25) In March 1998, was your primary employer a university, college or secondary school? ⌴

1. NO (**Go to question 29**)
2. YES

(26) Which of the following best describes how the salary reported in question 23 was based? ⌴

1. 9-10 months of work (*even if paid over 12 mos*)
2. 11-12 months

(27) What was your academic rank in March 1998? ⌴

1. Full Professor
2. Associate Professor
3. Assistant Professor
4. Research Scientist, Research Associate, Postdoctoral Position, Research Staff
5. Administrator
6. Lecturer/Instructor
7. Secondary School Teacher
8. Other (**Please explain in question 41**)

(28) What was your tenure status in March 1998? ⌊_⌋

1. Tenured
2. Not tenured, tenure-track
3. Not tenured, not tenure-track
4. Not applicable

(29) Within the next 5 years, do you plan to retire or, if previously retired, to stop working for pay? ⌊_⌋

1. No (**Go to question 31**)
2. Yes, within the next year
3. Yes, within 2 to 3 years
4. Yes, within 4 to 5 years
5. Not sure (**Please explain in question 41**)

(30) Do you plan to take another job after retiring? ⌊_⌋

1. NO 2. YES

(31) To what extent was your work in March 1998 related to your highest degree subfield? ⌊_⌋

1. Closely related
2. Somewhat related
3. Not at all related

(32) Did you ever change employers since your first job after completing your highest degree? ⌊_⌋

1. YES
2. NO (**Go to question 40**)

(33) Approximately how many times have you changed employers in the past five years? ⌊_⌋

(34) In what year did you leave your previous employer? 19⌊_⌋⌊_⌋

(35) Was it a postdoctoral appointment? ⌊_⌋

1. NO 2. YES

(36) With which of the following aspects of your previous job were you least satisfied? (Please select up to three choices)

- Demanding duties or tasks ☐
- Demanding of my time ☐
- Field of work ☐
- Advancement opportunities ☐
- Location ☐
- Part-time or temporary status ☐
- Work environment ☐
- Professional challenge ☐
- Salary and compensation benefits ☐
- Uncertainty about employer financial outlook ☐
- Other (**please explain in question 41**) ☐

(37) Which of the following was the most attractive aspect of accepting the job with your current employer? (Please select up to three choices)

- Field of work ☐
- Advancement opportunities ☐
- Healthier financial outlook of employer ☐
- Manageable duties or tasks ☐
- Moved from part-time to full-time ☐
- Moved from full-time to part-time ☐
- Location ☐
- Permanent employment ☐
- Professional challenge ☐
- Salary and compensation benefits ☐
- Work environment ☐
- Other (**Please explain in question 41**) ☐

(38) On the following 5-point scale, would you say that your last job change was due to being pushed out of your previous employment situation or pulled into your new position?

Pushed 1 2 3 4 5 Pulled Unsure X ⌊_⌋

(39) Which category in question 17 was the sector of your previous employer? ⌊_⌋⌊_⌋

(40) What is your sex? ⌊_⌋

1. Female 2. Male

41. Please supply additional details about your career or help improve our questionnaire by telling us which questions you found unclear or inapplicable to your career. If you had retired and then continued to work in retirement, please supply details about that transition.

FIELD/SUBFIELD LIST

PHYSICS, GEOPHYSICS AND ASTRONOMY

11 Accelerator Physics
12 Acoustics
13 Astronomy
14 Astrophysics
15 Atmospheric Sciences
16 Atomic and Molecular Physics
17 Biophysics
18 Chemical Physics
19 Condensed Matter/Solid State Physics
20 Crystallography
21 Electromagnetism
22 Electronics
23 Elementary Particles & Fields
24 Fluid Dynamics
25 High Polymer Physics
26 Hydrology
27 Low Temperature Physics
28 Mathematical Physics
29 Medical Physics
30 Nuclear Physics
31 Ocean Sciences
32 Optics
33 Plasma Physics
34 Radiological Physics
35 Rheology
36 Solid Earth Geophysics
37 Space Physics
38 Surface Science
39 Vacuum Science
40 Physics, General
41 Physics, Other (Please Specify)_____

EDUCATION

42 Physics Education, Secondary School
43 Physics Education, College
44 Education, General Science
45 Educational Administration

ENGINEERING

46 Aeronautical & Astronautical
47 Chemical
48 Civil
49 Electrical, Electronic
50 Environmental
51 Mechanical
52 Nuclear
53 Software
54 Systems
55 Engineering, General
56 Engineering, Other (Please Specify)_____

OTHER SCIENCES

57 Audiology And Speech Science
58 Biological Science
59 Chemistry
60 Computer Science
61 Geochemistry & Petrology
62 Geology/Earth & Environmental
63 Materials Science
64 Mathematics & Statistics
65 Psychology
66 Science Administration
67 Science, Other (Please Specify)_____

OTHER AREAS

68 Business Management
69 Other Administration
70 Non-Science, Other (Please Specify)_____

To request a free copy of our current publications, please check the appropriate box(es) below.

☐ **Enrollments and Degrees Report**
An examination of academic enrollments and degrees conferred in physics and astronomy programs nationwide. This report covers ten year trends in both undergraduate and graduate programs.

☐ **Graduate Student Report**
A summary of the characteristics of physics and astronomy graduate students and the initial employment of degree recipients.

☐ **Faculty Workforce Report**
A report focusing on faculty openings, retirements, and new hires.

☐ **Initial Employment Report**
A description of the initial employment search and eventual employment of physics and astronomy degree recipients.

☐ **1996 Salaries: Society Membership Survey Report**
An analysis of the effect of factors such as geographic location, employment sector, gender, years from degree, and degree level on salary levels and salary increases.

In order to assure that you do not receive a duplicate questionnaire, please leave the label intact. It will be detached prior to data entry.

American Institute of Physics
One Physics Ellipse
College Park, MD 20740-3843