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Association of Chairs of Departments of Physiology 2002 Survey Results

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The Association of Chairs of Departments of Physiology annual survey was mailed to 176 physiology departments throughout the US, Canada and Puerto Rico. A total of 80 surveys were returned, for a response rate of 45%. This rate is lower than that of the 2001 survey (55%). Of the 79 surveys returned, there were 37 public and 25 private medical schools, in addition to 17 non-medical (which are public veterinarian or osteopathic schools).

The data provide the reader with general trends of faculty, salary, overall departmental budgets, and space available for research. Faculty salary information (Tables 1-3) is derived from the total compensation column, which includes any supplementary income but not fringe benefits. In addition to salary information, further data are provided on tenure, gender, ethnicity, and salary by number of years in rank.

The statistics are based on 80 responses (4 from Canada) but the results of salary, tenure, gender, ethnicity, and number of years in rank are calculated on the number of respondents providing this information. However, 7 institutions did not provide any faculty salary information. In addition, results presented reflect responses from those institutions reporting, which may vary on a year-to-year basis.

Student/trainee information is provided by ethnicity for predoctoral and postdoctoral categories, as well as predoctoral trainee completions, stipends provided, and type of support.

Departmental budget information (Table 4) shows type of support, faculty salaries derived from grants along with negotiated indirect costs to the departments. Table 5 ranks responding Institutions according to their total dollars, research grant

dollars, and departmental space. Space averages are presented as research, administration, teaching and other. ♦

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Table 1. Faculty Salaries for Fiscal Year 2002

	Median	% Change From Previous Survey	Minimum	Maximum	No. of Faculty
Chairperson					
All Schools	\$166,400	-0.08%	\$56,450	\$280,000	69
Medical Public	177,477	1.20	66,300	280,000	34
Medical Private	166,800	-4.11	56,450	247,679	22
Nonmedical	148,300	11.69	74,828	254,500	13
Female	139,880	7.24	56,450	247,679	6
Professor					
All Schools	116,266	3.24	42,114	267,800	549
Medical Public	118,046	4.67	42,114	267,800	285
Medical Private	115,500	0.81	50,000	257,700	153
Nonmedical	114,732	7.55	43,031	198,172	111
Female	112,937	2.48	57,552	257,700	83
Associate Professor					
All Schools	81,853	0.94	34,800	180,000	313
Medical Public	80,977	-0.40	34,800	180,000	148
Medical Private	79,400	-0.76	47,798	146,462	75
Nonmedical	87,530	2.60	50,000	134,540	90
Female	84,443	3.12	50,918	180,000	69
Assistant Professor					
All Schools	69,111	2.36	32,398	130,603	244
Medical Public	69,611	3.57	40,800	106,240	120
Medical Private	66,189	-2.74	37,927	130,603	67
Nonmedical	70,931	5.83	32,398	107,880	57
Female	69,400	6.12	37,927	107,880	72
Instructor					
All Schools	45,000	-4.44	32,000	90,321	49
Medical Public	44,323	-1.28	32,000	90,321	26
Medical Private	48,000	0.00	34,000	70,000	18
Nonmedical	50,000	0.00	42,642	74,400	5
Female	45,678	2.51	37,872	90,321	22

Table 2. Average Salary by Number of Years in Rank

	Years					
	0-5	6-10	11-15	16-20	21-25	26+
Chairpersons						
Salary	\$160,771	\$151,911	\$186,327	\$188,697	\$201,149	\$195,526
# of Faculty	26	14	14	8	5	2
Professors						
Salary	114,131	115,064	126,315	127,435	132,787	134,015
# of Faculty	140	112	118	81	42	49
Assoc. Professors						
Salary	84,414	80,248	87,865	79,788	89,376	78,023
# of Faculty	169	64	41	13	15	9
Asst. Professors						
Salary	68,622	69,711	63,193	61,885	60,330	24,576
# of Faculty	198	31	7	2	1	
Instructors						
Salary	46,813	41,709	68,151	0	0	0
#of Faculty	44	3	2		0	0

Space Controlled by Department	
Research	16,756
Administration	3,187
Teaching	2,716
Other	1,949
Total space	22,708

Type of Institution (n = 79)

Support		Teaching Interactions			
Public	50	MD/DO	74	Pharmacy	17
Private	29	DDS	24	Other biomedical	53
		DVM	7	Life science	38
		Allied health	39	Bioengineering	26
				Other	20

Student/Trainee Summary

Total number of US citizen/resident alien pre- and postdoctoral students/trainees

Predoctoral male	344	Postdoctoral male	197
Predoctoral female	318	Postdoctoral female	138

Total number of foreign pre- and postdoctoral students/trainees

Predoctoral male	185	Postdoctoral male	395
Predoctoral female	187	Postdoctoral female	215

Tenure status in each department by degree

	Tenured	Not Tenured	Not Eligible	Total
MD	33	1	13	47
PhD	787	37	242	1,066
Both	77	0	27	104
Other	13	0	2	15

Ethnicity of each pre- and postdoctoral student/trainee

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
American Indian/ Alaskan Native	4	3	3	3
Asian/Pacific Islander	37	34	43	21
Black, not Hispanic origin	22	34	8	8
Hispanic	21	21	10	5
White, not of Hispanic origin	260	226	133	101

Faculty Summary (n = 1,290)

	Male	Female	Total
American Indian/ Alaskan Native	2	1	3
Asian/Pacific Islander	85	37	122
Black, not Hispanic origin	12	3	15
Hispanic	36	15	51
White, not of Hispanic origin	835	197	1,032
Foreign national	55	12	67
Total	1,025	265	1,290

Number of foreign pre- and postdoctoral students/trainees

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
African	5	0	4	1
Asian/Pacific Islander	100	120	231	102
Central and South American	11	5	16	11
European, Canadian, Australian	38	41	96	83
Middle Eastern	25	13	18	9
Other	3	4	17	6

Number of foreign pre- or postdoctoral trainees whose primary source of support is:

	Predoctoral	Postdoctoral
Institutional	125	40
Research grants	167	432
Private foundations	7	47
Home (foreign) governments	11	23
Other	7	16

Foreign National predoctoral trainee completions:

	Male	Female
African	0	0
Asian or Pacific Islander	22	26
Central or South American	3	0
European, Canadian, Australian	20	10
Middle Eastern	6	6
Other	2	0

Predoctoral Trainee Completions

Number of trainees who have completed doctoral work during the year ended June 30, 2002

Predoctoral male	146	Predoctoral female	96
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US citizen/resident alien predoctoral trainee completions:

	<i>Male</i>	<i>Female</i>
American Indian/Alaskan Native	1	0
Asian or Pacific Islander	10	7
Black, not of Hispanic origin	5	4
Hispanic	3	1
White, not of Hispanic origin	74	42

Average annual starting stipend (in US dollars) for trainees:

<i>Predoctoral</i>	<i>Postdoctoral</i>
\$18,540	\$31,910

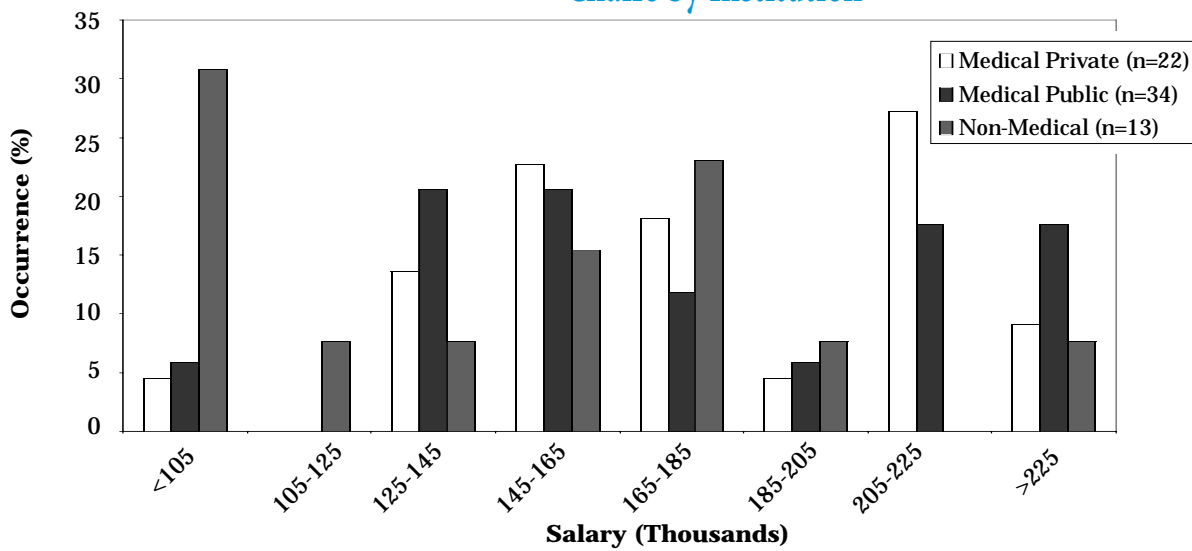
Table 3. Salaries by Region

Region	Average	Median	Minimum	Maximum	Total	
Chairperson						
Northeast	\$189,515	\$180,250	\$135,259	\$254,500	11	Northeast: ME, NH, VT, NY, MA, RI, CT, NJ, PA, MD, DE, DC
Midwest	172,503	152,778	103,544	280,000	13	
South	171,318	158,710	89,524	264,000	23	
West	165,444	164,354	103,223	223,596	6	
Canada/Puerto Rico	61,375	61,375	56,450	66,300	2	
Professor						
Northeast	118,166	117,307	25,893	206,640	109	Midwest: MI, OH, IN, IL, WI, IA, MO, KS, NE, ND, SD, MN
Midwest	126,691	123,657	50,049	244,218	110	
South	115,673	107,452	69,547	267,800	153	
West	134,840	129,450	11,500	255,000	80	
Canada/Puerto Rico	63,089	67,080	56,652	67,080	5	
Associate Professor						
Northeast	83,525	80,916	52,000	113,558	41	South: VA, WV, KY, TN, NC, SC, GA, FL, AL, MS, AR, LA, OK, TX
Midwest	86,128	86,600	50,000	134,540	88	
South	79,241	77,353	34,800	180,000	102	
West	82,407	79,034	63,973	110,700	18	
Canada/Puerto Rico	60,686	53,785	47,798	87,376	4	
Assistant Professor						
Northeast	66,366	69,451	21,667	92,700	49	West: AK, HI, MT, WY, CO, NM, AZ, ID, WA, OR, CA, UT
Midwest	74,210	73,817	43,000	130,603	41	
South	65,787	66,768	40,800	88,800	96	
West	75,716	69,151	45,147	106,240	28	
Canada/Puerto Rico	49,548	49,548	49,548	49,548	1	
Instructor						
Northeast	49,855	44,723	40,800	90,321	10	
Midwest	50,730	49,750	32,000	74,400	10	
South	41,962	39,627	34,000	57,325	17	
West	46,659	44,892	37,872	57,212	3	
Canada/Puerto Rico	0	0	0	0	1	

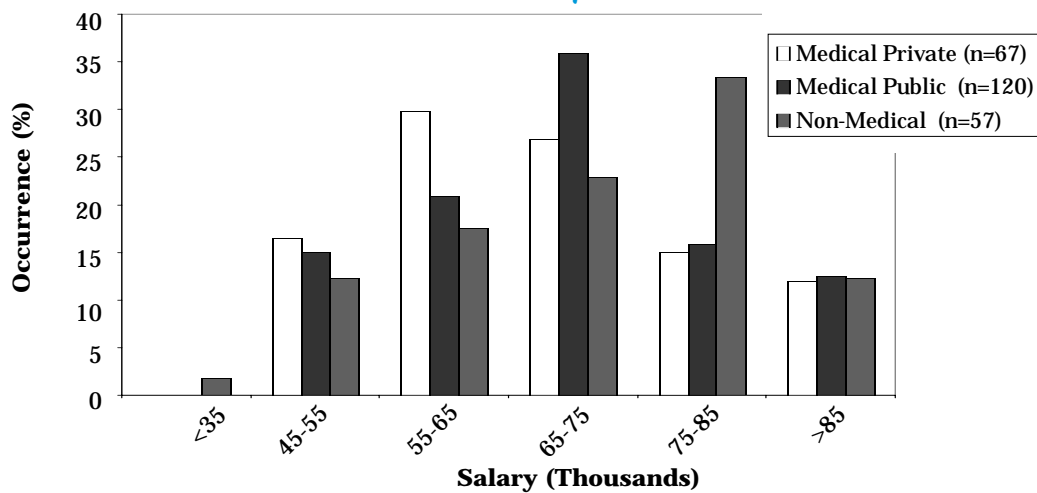
Salary Comparison by Title



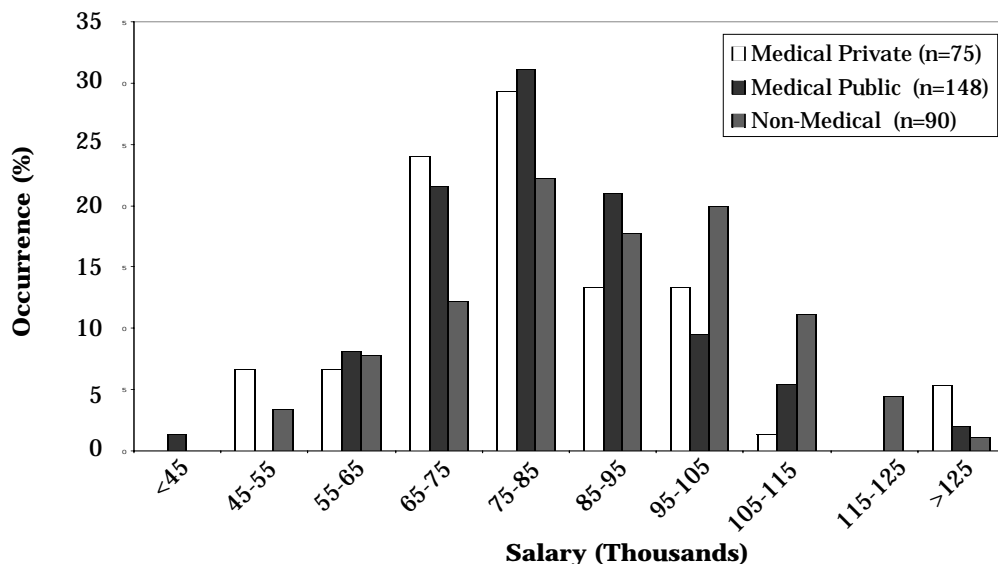
Chairs by Institution



Assistant Professors by Institution



Associate Professors by Institution



Professors by Institution

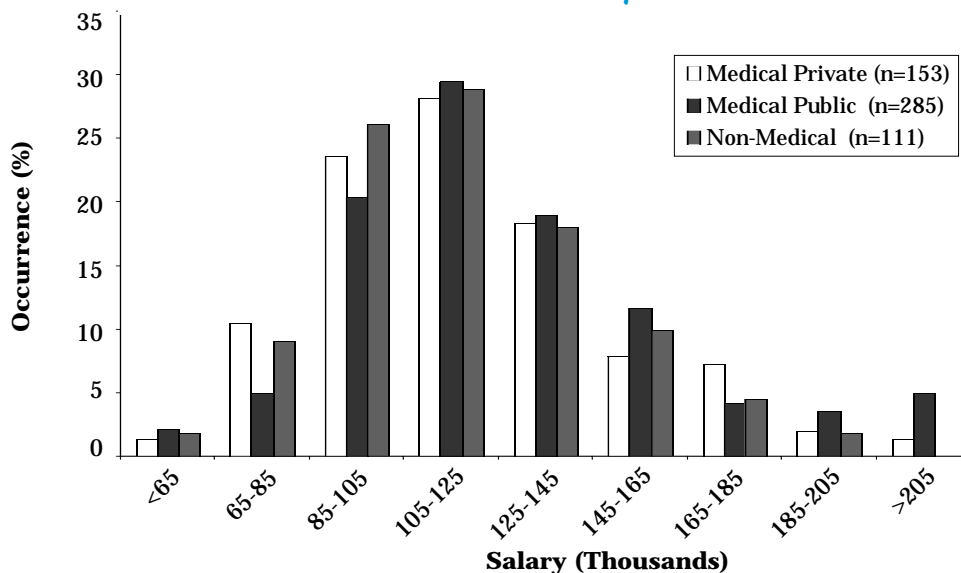


Table 4. Budgets by Institutions

	All Institutions	No.	Private Med.	No.	Public Med.	No.	Nonmed.	No.
Institutional	\$1,579,842	78	\$1,392,156	25	\$1,692,194	37	\$1,655,174	16
Outside Research Grants (direct costs)	3,603,417	76	3,355,862	25	3,556,337	37	3,898,052	14
Training Grants (direct costs only)	305,283	38	286,201	14	266,989	18	362,660	6
Endowments	342,041	41	725,499	9	212,730	24	87,895	8
Indirect Cost Recovery (amount to dept.)	232,931	43	297,064	7	205,587	28	196,141	8
Other Budget Support (identify)	310,672	61	584,463	16	245,901	36	101,651	9
Average Departmental Budget	5,790,753		5,626,705		5,911,239		5,401,163	

Financial Information

Current fringe benefit rate most frequently used for Primary faculty	26.72	(n = 77)
Federally negotiated indirect cost rate for FY 01-02 off campus	26.6	(n = 55)
on campus	55.95	(n = 76)
Percentage of allocated faculty salary dollars raised from grants, etc., directly returned to your department	71.04	(n = 48)
Percentage of indirect costs returned to your department	17.01	(n = 44)
Percentage of total faculty salaries derived from research grants (do not include fringe benefits costs)	34.16	(n = 74)

Table 5. Complete Ranking According to Total Dollars

Rank	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
1	\$20,930,054	1	\$15,339,578	1	\$958,724	9	31,125	2	\$493	16
2	13,837,268	2	10,292,103	8	343,070	14	26,333	6	391	30
3	11,801,540	10	6,213,284	7	365,487	5	33,994	41	183	17
4	11,176,304	3	7,921,803	2	609,369	32	18,218	3	435	13
5	10,824,566	9	6,745,956	11	321,236	6	33,720	36	200	21
6	10,776,855	7	6,908,291	6	383,794	1	37,578	40	184	18
7	10,343,748	5	7,646,183	4	424,788	24	21,662	10	353	18
8	10,212,534	18	5,413,046	12	318,414	48	12,681	4	427	17
9	9,929,907	4	7,709,512	15	285,537	22	22,637	11	341	27
10	9,842,840	8	6,907,495	13	287,812	7	32,805	34	211	24
11	9,766,492	13	5,804,133	33	200,143	19	23,039	23	252	29
12	9,444,394	12	5,816,251	10	323,125	2	36,092	47	161	18
13	9,420,139	6	7,159,814	9	340,944	10	30,519	28	235	21
14	8,922,315	37	3,031,437	18	275,585	56	10,124	18	299	11
15	8,881,167	14	5,670,006	39	189,000	11	27,490	35	206	30
16	8,717,074	17	5,414,530	37	193,376	20	22,823	27	237	28
17	8,558,126	16	5,445,994	19	272,300	37	16,227	12	336	20
18	8,035,169	24	4,771,571	28	227,218	12	26,696	43	179	21
19	7,938,000	11	6,000,000	3	428,571	31	20,008	17	300	14
20	7,893,655	15	5,497,225	5	392,659	17	23,932	29	230	14
21	7,751,145	20	5,105,800	20	268,726	8	32,665	48	156	19
22	7,299,999	29	3,845,270	51	153,811	3	35,493	66	108	25
23	7,287,130	28	3,900,000	36	195,000	42	14,116	20	276	20
24	7,216,319	19	5,179,559	31	207,182	46	13,479	7	384	25
25	7,199,421	27	4,510,574	42	187,941	15	26,234	44	172	24
26	6,810,949	21	4,946,910	23	260,364	28	20,381	24	243	19
27	6,732,981	31	3,409,153	16	284,096	70	5,404	1	631	12
28	6,730,044	30	3,798,396	34	199,916	47	127,165	19	299	19
29	6,622,849	22	4,800,000	38	192,000	16	24,522	37	196	25
30	6,571,198	33	3,192,714	43	187,807	26	20,521	49	156	17
31	6,454,287	25	4,740,228	29	225,725	33	17,327	21	274	21
32	5,665,667	36	3,032,822	47	168,490	30	20,104	50	151	18
33	5,338,035	42	2,748,208	62	109,928	18	23,891	65	115	25
34	5,311,266	43	2,738,711	26	228,226	36	16,259	46	168	12
35	5,079,511	41	2,794,145	45	174,634	29	20,269	53	138	16
36	4,972,035	35	3,088,877	17	280,807	58	9,810	15	315	11
37	4,781,349	39	2,901,136	22	263,740	39	15,150	39	191	11
38	4,694,794	23	4,775,898	27	227,424	23	22,084	32	216	21
39	4,693,241	45	2,665,423	53	140,285	62	8,350	14	319	19
40	4,614,476	46	2,659,412	52	147,745	27	20,464	57	130	18
41	4,478,760	55	1,804,330	30	225,541	51	12,251	51	147	8
42	4,384,565	38	2,952,996	25	246,083	45	13,512	31	219	12
43	4,372,097	63	1,307,226	71	52,289	13	26,500	71	49	25
44	4,282,954	44	2,667,200	48	166,700	44	13,648	38	195	16
45	4,162,057	52	2,050,248	59	120,603	38	15,511	56	132	17
46	4,119,000	54	1,923,000	58	128,200	35	16,292	62	118	15
47	3,934,532	40	2,851,868	24	259,261	60	9,118	16	313	11
48	3,837,398	34	3,160,420	14	287,311	41	14,857	33	213	11
49	3,835,682	48	2,434,428	46	173,888	55	10,257	26	237	14

Table 5. Complete Ranking According to Total Dollars

Rank	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/Faculty	Research Dollars/Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/sq. ft.	Research Dollars/sq. ft.	No. of Faculty
50	3,825,528	47	2,467,875	44	176,277	25	21,430	64	\$115	14
51	3,757,912	51	2,139,030	21	267,379	69	6,566	13	326	8
52	3,742,679	49	2,265,923	41	188,827	49	12,500	42	181	12
53	3,722,320	56	1,743,035	68	79,229	21	22,779	70	77	22
54	3,699,448	59	1,627,120	54	135,593	59	9,558	45	170	12
55	3,598,181	32	3,396,641	35	199,802	63	8,227	5	413	17
56	3,595,938	62	1,415,575	63	108,890	53	10,991	58	129	13
57	3,453,619	50	2,144,321	65	102,111	34	16,699	59	128	21
58	3,373,516	53	2,040,233	49	156,941	66	7,793	22	262	13
59	3,155,931	73	204,566	72	25,571	64	8,102	75	25	8
60	3,005,160	61	1,495,207	66	93,450	54	10,765	52	139	16
61	2,910,919	57	1,726,260	55	132,789	67	7,253	25	238	13
62	2,852,394	64	1,301,890	57	130,189	40	14,881	68	87	10
63	2,712,354	68	844,042	70	52,753	68	6,950	60	121	16
64	2,505,809	72	428,500	73	23,806	52	11,635	73	37	18
65	2,331,482	58	1,700,923	40	188,991	50	12,470	54	136	9
66	2,230,908	65	1,162,644	60	116,264	57	9,882	63	118	10
67	2,229,764	66	1,155,000	61	115,500	43	14,116	69	82	10
68	2,140,646	69	757,262	69	63,105	65	8,023	67	94	12
69	1,739,958	60	1,622,232	32	202,779	71	4,570	9	355	8
70	1,668,245	67	850,115	64	106,264	72	3,760	30	226	8
71	1,000,478	76	114,541	76	16,363	61	8,483	77	14	7
72	914,470	75	115,000	75	19,167	76	2,600	72	44	6
73	830,212	74	118,000	74	23,600	73	3,741	74	32	5
74	805,020	70	523,841	56	130,960	77	1,404	8	373	4
75	596,019	77	65,775	77	13,155	75	3,527	76	19	5
76	509,849	78	0	78	0	78	0	78	0	2
77	504,360	71	443,700	67	88,740	74	3,688	61	120	5
78	0	26	4,695,887	50	156,530	4	35,468	55	132	30

Gift Planning Opportunities

APS is pleased to invite the membership to consider including APS in their gift giving plans. Over the last several years, the Society has received donations of land and securities, all of which have been used to launch the Society's various young investigator award programs.

Many options exist if you are interested in including the APS and its Endowment Fund in your financial or estate planning. Some options include:

Immediate Gifts: Cash, gifts of appreciated securities, gifts of closely

held stock, gifts of tangible personal property, retirement assets, charitable lead trusts and gifts of real estate.

Life Income Gifts: Gift annuities, deferred payment gift annuities, charitable remainder trusts, charitable remainder unitrusts, and charitable annuity trusts.

Gifts of Insurance: Ownership of life insurance policies can be donated, or the APS can become the beneficiary of policies owned by others.

Designated Gifts: Gifts given to honor or memorialize an individual

or an organization and can include scholarships, programs, etc., which are specified for support and named for individuals.

Gifts by Will: Bequests of a percentage of estate, stated dollar amount or specific property or assets.

For more information on gift giving to the APS, please contact Martin Frank, Executive Director (Tel.: 301-634-7118, Email: mfrank@the-aps.org), or Robert Price, Director of Finance (Tel.: 301-634-7173, Email: rprice@the-aps.org)