ChE letters

Survey Relates Quality Ratings to Teaching Load

Sir:

We have made a survey of the graduate education effort of the 58 departments of chemical engineering in the United States that were evaluated in the Roose-Anderson report on Graduate Education. Thirty replies were received and the Roose-Anderson rating of each department was used to divide the departments into groups of departments whose ratings are 17 and below (best), 18 to 38 (better), and 39 to 58 (good). Use of the Roose-Anderson rating was merely a convenient means of making the division into groups and is no indication of *our* judgment of the quality of the departments involved.

The summary table shows average values for the requested information within each rating group (good, better, or best) and an overall set of averages. The survey

Averages of Reported Values (Spring 1973)

Roose-Anderson Rating	39-58 (good)	17-38 (better)	1-16 (best)	Overall
Number Responding	9	11	10	31
Number of:				
Professors	5.3	8.4	7.5	7.0
Associate	2.5	4.0	2.5	3.0
Assistant	1.4	2.8	2.3	2.2
Average Class Load	6.3	5.9	4.7	5.6
Number of:				
Ph.D. Candidates	15.4	20.7	28.9	21.7
M.S. Candidates	15.2	26.2	20.5	20.6
Number of Degrees granted:				
Ph.D. (5 yrs)				
M.S. (5 yrs)	43.0	63.8	73.4	62.7
B.S. (5 yrs)	106.0	166.3	176.3	157.1
Fellowships:				
Fed., Number	1.3	2.2	5.2	3.2
$	3,357	6,395	35,914	15,216
Ind., Number	2.9	5.7	5.2	4.6
$	9,962	21,904	33,016	22,005
Other, Number	0.3	1.6	2.0	1.3
$	986	7,650	8,412	5,714
Number of:				
Research Assts.	13.8	18.2	28.2	20
Teaching Assts.	4.0	6.2	7.7	7
Research Grants (1972-73 exp.):				
Fed., $	70,898	248,233	231,357	187,485
Ind., $	24,578	46,216	44,842	38,437
Other, $	1,111	5,555	53,365	20,153
Papers Presented (5 yrs)	40	52	72	53
Journal Pub. (5 yrs)	86	86	188	120
Max. Allow. Stipends:				
Teaching Assts., $	3,500	2,853	4,603	3,460
Research Assts., $	3,525	3,066	3,977	3,521

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