

1975 Central Florida IEEE

Engineering/Membership Profile Survey

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It may come as a surprise, but most sections of the IEEE do not know enough about their membership to set meaningful professional goals. These goals must be based upon the needs of the membership, be within the IEEE bylaws and be viable to quantitized evaluation. Membership data from the IEEE national data bank and surveys, are for the most part, not meaningful to an isolated geographic area. Although some data can be extracted from this source the cost for a special search is beyond the limited financial resources of most sections. Additionally, the questions on the national survey and cross analysis of the questions lack in their ability to identify the profile and needs of the membership on the local level.

Therefore, this survey was conducted in the Canaveral, Orlando and Tampa sections in November and December of 1973 to learn and understand the membership in respect to who they are, where they are, and what are their professional needs. The survey was mailed to approximately 2100 members in the three Central Florida sections and enjoyed a 45% response. One could boldly draw inferences from this survey for the entire state of Florida which has 4100 IEEE members. An observation of the data shows:

1. A low percentage of under thirty year old engineers belong to the IEEE
2. The percentage of PE's in central Florida correlates with national surveys
3. Engineers change employers primarily because of challenge

and job opportunities and not salary.

4. Engineering talent is under-utilized
5. Engineers employed by the government enjoy the highest salary
6. Twenty percent of the engineers require additional employment because of need
7. Fifty percent of the engineers would not choose engineering as a career again or are undecided about it
8. Engineering morale with the profession is low

Space limitations will only allow this brief presentation of the Central Florida Survey. However, to those of the IEEE, educational institutional, industry, and researchers, the Orlando Section Professional Activities Committee will make available, for a nominal charge, the raw data (standard 80 column punched card and column identification) and/or selective cross analysis of the raw data. Please address all inquiries to

Professional Activities Committee
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Explanation of Format: Two groups of "A thru E" columns are given. The first group of A thru E is the raw count of responses by sections and total for central Florida. The second set of A thru E columns are the equivalent percentages of the first A thru E columns.

(1) **AGE:** (a) 20-30 (b) 30-40 (c) 40-50 (d) 50-60 (e) over 60

| | A | B | C | D | E | Total | A | B | C | D | E |
|-----------|-----|-----|-----|-----|-----|-------|------|------|------|------|------|
| Canaveral | 19 | 53 | 49 | 24 | 9 | 154 | 12.3 | 34.4 | 31.8 | 15.6 | 5.8 |
| Orlando | 41 | 87 | 88 | 58 | 21 | 295 | 13.9 | 29.5 | 29.8 | 19.7 | 7.1 |
| Tampa | 79 | 112 | 100 | 71 | 122 | 494 | 15.6 | 22.7 | 22.3 | 14.4 | 24.7 |
| Total | 139 | 252 | 247 | 153 | 152 | 943 | 14.7 | 26.7 | 26.2 | 16.2 | 16.1 |

(2) **ORIGIN:** (a) Negro (b) Spanish/American (c) Indian/Oriental (d) Caucasian (e) Other

| | A | B | C | D | E | Total | A | B | C | D | E |
|-----------|---|----|----|-----|---|-------|----|-----|-----|------|-----|
| Canaveral | 0 | 3 | 1 | 146 | 4 | 154 | 0 | 1.1 | .6 | 94.8 | 2.6 |
| Orlando | 2 | 2 | 8 | 275 | 3 | 290 | .7 | .7 | 2.8 | 94.8 | 1.8 |
| Tampa | 1 | 13 | 4 | 471 | 2 | 491 | .2 | 2.6 | .8 | 95.9 | .4 |
| Total | 3 | 18 | 13 | 892 | 9 | 935 | .3 | 1.9 | 1.4 | 95.4 | 1.0 |

(3) **SEX:** (a) Male (b) Female

| | A | B | Total | A | B |
|-----------|-----|---|-------|------|-----|
| Canaveral | 150 | 2 | 152 | 98.7 | 1.3 |
| Orlando | 293 | 2 | 295 | 99.3 | .7 |
| Tampa | 483 | 3 | 486 | 99.4 | .6 |
| Total | 926 | 7 | 933 | 99.2 | .8 |

(4) HIGHEST LEVEL OF DEGREE: (a) Assoc. (b) BS (c) MS (d) PhD (e) None

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|----|-----|-----|----|----|-------|-----|------|------|-----|-----|
| Canaveral | 6 | 78 | 44 | 15 | 10 | 153 | 3.9 | 51.0 | 28.8 | 9.8 | 6.5 |
| Orlando | 7 | 147 | 101 | 24 | 18 | 297 | 2.4 | 49.5 | 34.0 | 8.1 | 6.1 |
| Tampa | 35 | 295 | 95 | 26 | 40 | 491 | 7.1 | 60.1 | 19.3 | 5.3 | 8.1 |
| Total | 48 | 520 | 240 | 65 | 68 | 941 | 5.1 | 55.3 | 25.5 | 6.9 | 7.2 |

(5) TECHNICAL SPECIALTY: (a) EE (b) ME (c) Physics/Science (d) Math (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|----|----|----|----|-------|------|-----|-----|-----|-----|
| Canaveral | 131 | 0 | 6 | 6 | 11 | 154 | 85.1 | 0 | 3.9 | 3.9 | 7.1 |
| Orlando | 243 | 6 | 26 | 3 | 15 | 293 | 82.9 | 2.0 | 8.9 | 1.0 | 5.1 |
| Tampa | 424 | 5 | 13 | 8 | 37 | 487 | 87.1 | 1.0 | 2.7 | 1.6 | 7.6 |
| Total | 798 | 11 | 45 | 17 | 63 | 934 | 85.4 | 1.2 | 4.8 | 1.8 | 6.7 |

(6) PROFESSIONAL REGISTRATION: (a) PE (b) EIT (c) IN PROGRESS (d) None (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|----|----|-----|----|-------|------|------|-----|------|-----|
| Canaveral | 27 | 18 | 10 | 99 | 2 | 156 | 17.3 | 11.5 | 6.4 | 63.5 | 1.3 |
| Orlando | 51 | 25 | 17 | 196 | 9 | 298 | 17.1 | 8.4 | 5.7 | 65.8 | 3.0 |
| Tampa | 159 | 39 | 17 | 261 | 10 | 486 | 32.7 | 8.0 | 3.5 | 53.7 | 2.1 |
| Total | 237 | 82 | 44 | 556 | 21 | 940 | 25.2 | 8.7 | 4.7 | 59.1 | 2.2 |

(7) SOCIETY MEMBERSHIP: (a) IEEE (b) ASME (c) FES/NSPE (d) None (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|----|----|---|-----|-------|------|-----|------|---|-----|
| Canaveral | 151 | 3 | 14 | 0 | 18 | 186 | 81.2 | 1.6 | 7.5 | 0 | 9.7 |
| Orlando | 296 | 3 | 21 | 0 | 32 | 352 | 84.1 | .9 | 6.0 | 0 | 9.1 |
| Tampa | 489 | 5 | 63 | 0 | 60 | 617 | 79.3 | .8 | 10.2 | 0 | 9.7 |
| Total | 936 | 11 | 98 | 0 | 110 | 1155 | 81.0 | 1.0 | 8.5 | 0 | 9.5 |

(8) IF IEE MEMBER, GROUP AFFILIATION: (a) AFS (b) CS (c) MTT (d) CT (e) PS/IGA

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|----|-----|----|----|----|-------|------|------|------|------|------|
| Canaveral | 15 | 19 | 8 | 9 | 7 | 58 | 25.9 | 32.8 | 13.8 | 15.5 | 12.1 |
| Orlando | 37 | 61 | 23 | 26 | 15 | 162 | 22.8 | 37.7 | 14.2 | 16.0 | 9.3 |
| Tampa | 30 | 53 | 11 | 32 | 61 | 187 | 16.0 | 28.3 | 5.9 | 17.1 | 32.6 |
| Total | 82 | 133 | 42 | 67 | 83 | 407 | 20.1 | 32.7 | 10.3 | 16.5 | 20.4 |

(9) DO YOU READ OR USE: (a) Proceedings of IEEE (b) Spectrum (c) Group Publications (d) Member Services (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|----|----|-------|------|------|------|-----|-----|
| Canaveral | 44 | 142 | 65 | 9 | 4 | 264 | 16.7 | 53.8 | 24.6 | 3.4 | 1.5 |
| Orlando | 97 | 271 | 118 | 25 | 6 | 517 | 18.8 | 52.4 | 22.8 | 4.8 | 1.2 |
| Tampa | 131 | 441 | 162 | 19 | 11 | 764 | 17.1 | 57.7 | 21.2 | 2.5 | 1.4 |
| Total | 272 | 854 | 345 | 53 | 21 | 1545 | 17.6 | 55.3 | 22.3 | 3.4 | 1.4 |

(10) WHY DO YOU BELONG TO YOUR SOCIETY? (a) Insurance/Services (b) Publications/Education (c) Prestige (d) Professional Responsibility (e) Other

| | A | B | C | D | TOTAL | A | B | C | D | E | |
|-----------|-----|-----|-----|-----|-------|------|------|------|------|------|-----|
| Canaveral | 31 | 92 | 28 | 76 | 8 | 235 | 13.2 | 39.1 | 11.9 | 32.3 | 3.4 |
| Orlando | 79 | 190 | 42 | 151 | 17 | 479 | 16.5 | 39.7 | 8.8 | 31.5 | 3.5 |
| Tampa | 87 | 284 | 78 | 231 | 19 | 699 | 12.4 | 40.6 | 11.2 | 33.0 | 2.7 |
| Total | 197 | 566 | 148 | 458 | 44 | 1413 | 13.9 | 40.1 | 10.5 | 32.4 | 3.1 |

(11) DO YOU FEEL THE IEEE SHOULD BE INVOLVED IN NON-TECHNICAL PROFESSIONAL ACTIVITIES?:

(a) Yes (b) No (c) No opinion

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|---|---|-------|------|------|------|---|---|
| Canaveral | 118 | 25 | 8 | 0 | 0 | 151 | 78.1 | 16.6 | 5.3 | 0 | 0 |
| Orlando | 213 | 49 | 32 | 0 | 0 | 294 | 72.4 | 16.7 | 10.9 | 0 | 0 |
| Tampa | 289 | 134 | 60 | 0 | 0 | 483 | 59.8 | 27.7 | 12.4 | 0 | 0 |
| Total | 620 | 208 | 100 | 0 | 0 | 928 | 66.8 | 22.4 | 10.8 | 0 | 0 |

(12) PRESENT EMPLOYMENT: (a) Industry (b) Government (c) Education (d) Self-employed (e) Retired

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|----|----|----|-----|-------|------|------|-----|-----|------|
| Canaveral | 96 | 36 | 7 | 5 | 5 | 149 | 64.4 | 24.2 | 4.7 | 3.4 | 3.4 |
| Orlando | 219 | 32 | 8 | 18 | 16 | 293 | 74.7 | 10.9 | 2.7 | 6.1 | 5.5 |
| Tampa | 291 | 12 | 14 | 38 | 108 | 463 | 62.9 | 2.6 | 3.0 | 8.2 | 23.3 |
| Total | 606 | 80 | 29 | 61 | 129 | 905 | 67.0 | 8.8 | 3.2 | 6.7 | 14.3 |

(13) IF EMPLOYED IN INDUSTRY, YOUR EMPLOYER IS PRIMARILY: (a) Aerospace (b) Utility, telephone (c) Utility, Power (d) Manufacturing (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|----|----|-----|----|-------|------|------|------|------|------|
| Canaveral | 65 | 1 | 2 | 28 | 10 | 106 | 61.3 | .9 | 1.9 | 26.4 | 9.4 |
| Orlando | 164 | 13 | 6 | 28 | 25 | 236 | 69.5 | 5.5 | 2.5 | 11.9 | 10.6 |
| Tampa | 121 | 44 | 76 | 61 | 42 | 344 | 35.2 | 12.8 | 22.1 | 17.7 | 12.2 |
| Total | 350 | 58 | 84 | 117 | 77 | 686 | 51.0 | 8.5 | 12.2 | 17.1 | 11.2 |

(14) SIZE OF YOUR FIRM: (a) 1-10 (b) 11-70 (c) 71-300 (d) 301-1000 (e) Over 1000

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|----|----|----|-----|-----|-------|------|-----|------|------|------|
| Canaveral | 6 | 4 | 14 | 22 | 90 | 136 | 4.4 | 2.9 | 10.3 | 16.2 | 66.2 |
| Orlando | 16 | 10 | 13 | 42 | 191 | 272 | 5.9 | 3.7 | 4.8 | 15.4 | 70.2 |
| Tampa | 42 | 12 | 29 | 36 | 256 | 375 | 11.2 | 3.2 | 7.7 | 9.6 | 68.3 |
| Total | 64 | 26 | 56 | 100 | 537 | 783 | 8.2 | 3.3 | 7.2 | 12.8 | 68.6 |

(15) HOW MANY EMPLOYERS HAVE YOU HAD IN THE LAST 10 YEARS: (a) 1 (b) 2 (c) 3 (d) 4 (e) 5 or more

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|----|----|-------|------|------|------|-----|-----|
| Canaveral | 65 | 47 | 21 | 10 | 4 | 147 | 44.2 | 32.0 | 14.3 | 6.8 | 2.7 |
| Orlando | 120 | 93 | 42 | 12 | 16 | 283 | 42.4 | 32.9 | 14.8 | 4.2 | 5.7 |
| Tampa | 220 | 114 | 53 | 20 | 25 | 432 | 50.9 | 26.4 | 12.3 | 4.6 | 5.8 |
| Total | 405 | 254 | 116 | 42 | 45 | 1062 | 38.1 | 23.9 | 10.9 | 4.0 | 4.2 |

(16) PRIME REASON FOR CHANGING EMPLOYERS: (a) Salary/Benefits (b) Geographic (c) Company practices/policies (d) Challenge/opportunity (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|----|-----|-----|-------|------|------|------|------|------|
| Canaveral | 18 | 26 | 8 | 42 | 31 | 125 | 14.4 | 20.8 | 6.4 | 33.6 | 24.8 |
| Orlando | 54 | 44 | 33 | 108 | 39 | 278 | 19.4 | 15.8 | 11.9 | 38.8 | 14.0 |
| Tampa | 52 | 63 | 38 | 107 | 65 | 325 | 16.0 | 19.4 | 11.7 | 33.0 | 20.0 |
| Total | 124 | 133 | 79 | 257 | 135 | 728 | 17.0 | 18.3 | 10.9 | 35.3 | 18.5 |

(17) IN PERFORMING YOUR DUTIES, WHAT PERCENT OF YOU TIME IS SPENT AS AN: Engineer ___% Technician ___% Engineering Manager ___% Secretary ___% Other ___%
A = 1-20% B = 21-40% C = 41-60% D = 61-80% E = 81-100%

| ENGINEER | A | B | C | D | E | TOTAL | A | B | C | D | E |
|---------------------|-----|-----|-----|-----|-----|-------|------|------|------|------|------|
| Canaveral | 41 | 19 | 28 | 12 | 24 | 124 | 33.1 | 15.3 | 22.6 | 9.7 | 19.4 |
| Orlando | 62 | 51 | 45 | 36 | 43 | 237 | 26.2 | 21.5 | 19.0 | 15.2 | 18.1 |
| Tampa | 87 | 69 | 61 | 64 | 45 | 326 | 26.7 | 21.2 | 18.7 | 19.6 | 13.8 |
| Total | 190 | 139 | 134 | 112 | 112 | 687 | 27.7 | 20.2 | 19.5 | 16.3 | 16.3 |
| TECHNICIAN | A | B | C | D | E | TOTAL | A | B | C | D | E |
| Canaveral | 29 | 14 | 1 | 1 | 1 | 52 | 55.8 | 26.9 | 13.5 | 1.9 | 1.9 |
| Orlando | 59 | 28 | 8 | 3 | 3 | 101 | 58.4 | 27.7 | 7.9 | 3.0 | 3.0 |
| Tampa | 77 | 49 | 20 | 8 | 7 | 161 | 47.8 | 30.4 | 12.4 | 5.0 | 4.3 |
| Total | 165 | 91 | 35 | 12 | 11 | 313 | 52.7 | 29.1 | 11.2 | 3.80 | 3.5 |
| ENGINEERING MANAGER | A | B | C | D | E | TOTAL | A | B | C | D | E |
| Canaveral | 35 | 13 | 19 | 15 | 26 | 108 | 32.4 | 12.0 | 17.6 | 13.9 | 24.1 |
| Orlando | 60 | 33 | 32 | 35 | 32 | 192 | 31.3 | 17.2 | 16.7 | 18.2 | 16.7 |
| Tampa | 87 | 55 | 44 | 34 | 44 | 264 | 33.0 | 20.8 | 16.7 | 12.9 | 16.7 |
| Total | 182 | 101 | 95 | 84 | 102 | 564 | 32.3 | 17.9 | 16.8 | 14.9 | 18.1 |

| SECRETARY | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|----|----|---|---|-------|------|------|-----|-----|-----|
| Canaveral | 32 | 4 | 0 | 0 | 0 | 36 | 88.9 | 11.1 | 0 | 0 | 0 |
| Orlando | 63 | 18 | 4 | 1 | 2 | 88 | 71.6 | 20.5 | 4.5 | 1.1 | 2.3 |
| Tampa | 63 | 17 | 6 | 3 | 3 | 92 | 68.5 | 18.5 | 6.5 | 3.3 | 3.3 |
| Total | 158 | 39 | 10 | 4 | 5 | 216 | 73.1 | 18.1 | 4.6 | 1.9 | 2.3 |

| OTHER | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|----|----|----|----|----|-------|------|------|------|------|------|
| Canaveral | 6 | 5 | 4 | 2 | 8 | 25 | 24.0 | 20.0 | 16.0 | 8.0 | 32.0 |
| Orlando | 8 | 7 | 10 | 9 | 17 | 51 | 15.7 | 13.7 | 19.6 | 17.6 | 33.3 |
| Tampa | 15 | 9 | 13 | 21 | 23 | 81 | 18.5 | 11.1 | 16.0 | 25.9 | 28.4 |
| Total | 29 | 21 | 27 | 32 | 48 | 157 | 18.5 | 13.4 | 17.2 | 20.4 | 30.6 |

(18) YOUR BASE SALARY RANGE IN THOUSANDS OF DOLLARS: (a) 10-15 (b) 15-20 (c) 20-25 (d) 25-30 (e) Over 30

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|----|----|-------|------|------|------|------|-----|
| Canaveral | 32 | 51 | 38 | 17 | 6 | 144 | 22.2 | 35.4 | 26.4 | 11.8 | 4.2 |
| Orlando | 52 | 96 | 77 | 29 | 18 | 272 | 19.1 | 35.3 | 28.3 | 10.7 | 6.6 |
| Tampa | 110 | 137 | 87 | 34 | 26 | 394 | 27.9 | 34.8 | 22.1 | 8.6 | 6.6 |
| Total | 194 | 284 | 202 | 80 | 50 | 810 | 24.0 | 35.1 | 24.9 | 9.9 | 6.2 |

(19) DO YOU OR YOUR SPOUSE HAVE ADDITIONAL EMPLOYMENT TO SUPPLEMENT YOUR INCOME BECAUSE OF NEED: (a) YES (b) NO

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|---|---|---|-------|------|------|---|---|---|
| Canaveral | 26 | 116 | 0 | 0 | 0 | 142 | 18.3 | 81.6 | 0 | 0 | 0 |
| Orlando | 59 | 218 | 0 | 0 | 0 | 277 | 21.3 | 78.7 | 0 | 0 | 0 |
| Tampa | 85 | 347 | 0 | 0 | 0 | 432 | 19.7 | 80.3 | 0 | 0 | 0 |
| Total | 170 | 681 | 0 | 0 | 0 | 851 | 20.0 | 80 | 0 | 0 | 0 |

(20) YOUR PRESENT WORKING AREA: (a) Private Office (b) Private Cubicle (c) Shared Cubicle (d) Open Bay Desk (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|-----|----|-------|------|------|------|------|-----|
| Canaveral | 55 | 19 | 28 | 26 | 12 | 140 | 39.3 | 13.6 | 20.0 | 18.6 | 8.6 |
| Orlando | 93 | 58 | 43 | 68 | 7 | 269 | 34.6 | 21.6 | 16.0 | 25.3 | 2.6 |
| Tampa | 164 | 65 | 96 | 48 | 26 | 399 | 41.1 | 16.3 | 24.1 | 12.0 | 6.5 |
| Total | 312 | 142 | 167 | 142 | 45 | 808 | 38.6 | 17.6 | 20.6 | 17.6 | 5.6 |

(21) IN RELATION TO YOUR PRESENT JOB, WEIGH THE IMPORTANCE OF THE FOLLOWING ITEMS IF: (a) = 5 (b) = 4 (c) = 3 (d) = 2 (e) = 1 5 is the highest Count Of

| | Combined Sections | | | | | Total Count A-E | Rank Of The Average Weights | | | |
|-----------------------------|-------------------|-----|-----|-----|-----|-----------------|-----------------------------|-----------------|---------------|-----------------|
| | A | B | C | D | E | | Canaveral Section | Orlando Section | Tampa Section | Central Florida |
| MONETARY | | | | | | | | | | |
| Salary | 402 | 195 | 120 | 82 | 28 | 827 | 2 | 1 | 3 | 2 |
| Profit Sharing | 74 | 69 | 119 | 70 | 285 | 617 | 16 | 16 | 17 | 17 |
| Overtime Pay | 57 | 56 | 99 | 73 | 344 | 629 | 18 | 18 | 18 | 18 |
| Bonus | 59 | 53 | 85 | 69 | 352 | 618 | 19 | 19 | 19 | 19 |
| Cost of Living | 165 | 120 | 130 | 42 | 191 | 648 | 13 | 9 | 11 | 11 |
| FRINGE BENEFITS | | | | | | | | | | |
| Pension | 157 | 157 | 157 | 89 | 130 | 690 | 8 | 8 | 8 | 7 |
| Sick Leave | 107 | 127 | 193 | 97 | 148 | 672 | 10 | 11 | 12 | 12 |
| Vacation | 141 | 173 | 214 | 80 | 92 | 700 | 5 | 6 | 7 | 7 |
| Medical Insurance | 163 | 189 | 220 | 65 | 74 | 711 | 4 | 4 | 5 | 5 |
| Group Life Insurance | 133 | 151 | 209 | 73 | 112 | 678 | 7 | 7 | 10 | 8 |
| WORKING ENVIRONMENT | | | | | | | | | | |
| Office Space | 60 | 126 | 205 | 133 | 154 | 678 | 14 | 13 | 14 | 14 |
| Working Environment | 192 | 193 | 188 | 93 | 59 | 725 | 6 | 5 | 4 | 4 |
| Support Facilities | 84 | 159 | 236 | 105 | 84 | 668 | 12 | 10 | 9 | 10 |
| PROFESSIONAL | | | | | | | | | | |
| Cont. Ed. Support | 92 | 117 | 201 | 98 | 159 | 667 | 11 | 14 | 13 | 13 |
| Prof. Soc. Support | 65 | 96 | 183 | 115 | 199 | 658 | 15 | 15 | 15 | 15 |
| P.E. Recognition | 66 | 69 | 123 | 114 | 258 | 630 | 17 | 17 | 16 | 16 |
| Perform/Merit Review | 137 | 139 | 167 | 87 | 123 | 653 | 9 | 12 | 6 | 9 |
| Job Satisfaction | 447 | 142 | 72 | 35 | 38 | 734 | 1 | 2 | 1 | 1 |
| Opportunity for Advancement | 294 | 163 | 118 | 54 | 74 | 703 | 3 | 3 | 2 | 3 |

My company needs to improve in the following area: (a) Monetary (b) Fringe Benefits (c) Working Environment (d) Professional (e) Other

| | A | B | C | D | E | Total A-E |
|-------|-----|-----|-----|-----|-----|-----------|
| Count | 311 | 207 | 233 | 293 | 110 | 1154 |

(22) MY COMPANY'S COMMUNICATIONS ARE: (a) Highly Effective (b) Adequate (c) Poor (d) Non-existent (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|----|-----|-----|----|---|-------|-----|------|------|-----|-----|
| Canaveral | 10 | 67 | 51 | 9 | 1 | 138 | 7.2 | 48.6 | 37.0 | 6.5 | .7 |
| Orlando | 13 | 114 | 112 | 15 | 1 | 255 | 5.1 | 44.7 | 43.9 | 5.9 | .4 |
| Tampa | 35 | 187 | 123 | 13 | 6 | 364 | 9.6 | 51.4 | 33.8 | 3.6 | 1.6 |
| Total | 58 | 358 | 286 | 37 | 8 | 757 | 7.7 | 47.3 | 37.8 | 4.9 | 1.1 |

(23) MY COMPANY'S ENGINEERING MORALE IS: (a) High (b) Fair (c) Low (d) Non-existent (e) Other

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|----|---|-------|------|------|------|-----|-----|
| Canaveral | 20 | 65 | 40 | 8 | 1 | 134 | 14.9 | 48.5 | 29.9 | 6.0 | .7 |
| Orlando | 41 | 115 | 85 | 12 | 0 | 253 | 16.2 | 45.5 | 33.6 | 4.7 | 0 |
| Tampa | 63 | 192 | 91 | 9 | 5 | 360 | 17.5 | 53.3 | 25.3 | 2.5 | 1.4 |
| Total | 124 | 372 | 216 | 29 | 6 | 747 | 16.6 | 49.8 | 28.9 | 3.9 | .8 |

(24) MY COMPANY'S PLANS, GOALS, AND OBJECTIVES ARE CLEARLY UNDERSTOOD AND AVAILABLE TO ME:

(a) Yes (b) No (c) Selectivity available

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|---|---|-------|------|------|------|---|---|
| Canaveral | 53 | 27 | 58 | | | 138 | 38.4 | 19.6 | 42.0 | | |
| Orlando | 84 | 59 | 107 | | | 250 | 33.6 | 23.6 | 42.8 | | |
| Tampa | 137 | 77 | 156 | | | 370 | 37.0 | 20.8 | 42.2 | | |
| Total | 274 | 163 | 321 | | | 758 | 36.1 | 21.5 | 42.3 | | |

(25) MY COMPANY'S STANDARD POLICIES ARE CLEARLY UNDERSTOOD AND AVAILABLE TO ME:

(a) Yes (b) No (c) Selectively available

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|---|---|-------|------|------|------|---|---|
| Canaveral | 87 | 13 | 38 | | | 138 | 63 | 9.4 | 27.5 | | |
| Orlando | 119 | 39 | 92 | | | 250 | 47.6 | 15.6 | 36.8 | | |
| Tampa | 204 | 48 | 117 | | | 369 | 55.3 | 13.0 | 31.7 | | |
| Total | 410 | 100 | 247 | | | 757 | 54.2 | 13.2 | 32.6 | | |

(26) IF YOU HAD TO DO IT OVER AGAIN, WOULD YOU SELECT ENGINEERING AS A CAREER?

(a) Yes (b) No (c) Undecided

| | A | B | C | D | E | TOTAL | A | B | C | D | E |
|-----------|-----|-----|-----|---|---|-------|------|------|------|---|---|
| Canaveral | 70 | 47 | 23 | | | 140 | 50 | 33.6 | 16.4 | | |
| Orlando | 109 | 102 | 57 | | | 268 | 40.7 | 38.1 | 21.3 | | |
| Tampa | 279 | 92 | 79 | | | 450 | 62.0 | 20.4 | 17.6 | | |
| Total | 458 | 241 | 159 | | | 858 | 53.4 | 28.1 | 18.5 | | |