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# Standardization of the Edwards personal preference schedule for Greek college students

Lynn R. Anderson

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# standardization of the Edwards personal preference schedule for Greek college students\*

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by Lynn R. Anderson

Associate Professor Department of Psychology Wayne State University

The purpose of this article is to report standardization data dealing with a Greek translation of the Edwards Personal Preference Schedule (EPPS).¹ The translation and standardization of this well-known personality test were made in conjunction with a large survey of Greek university students which was conducted by the National Center for Social Research in Athens during the 1971-1972 academic year. We are presenting our translation of the EPPS and our normative data with the hopes that this test will encourage and facilitate personality research in Greece and that this test will become a practical aid for vocational and educational counselors who are working with Greek students.

#### background of the EPPS

Edwards published the EPPS as a test for assessing 15 of the manifest needs identified in Murray's need system (1938). The test has been widely used in counseling and guidance settings in the USA and has also been popular as a tool in almost every area of psychological research. For example, between 1954, when the EPPS was first published, and 1965 there were 326 articles reported which had included EPPS data (Buros, 1965). The interested reader should consult the Buros' summary article for this comprehensive listing of references as well as some insightful critiques of the test. The EPPS has also been translated into Japanese, Chinese and Indian although there is very little research reported which deals with the use of the EPPS in non-English speaking cultures. However, the original English version of the EPPS is one of the most widely known and one of the most extensively used measurement instruments in psychology.

Edwards presented the original EPPS as a test to «provide quick and convenient measure of a number of relatively independent normal personality variables» (Edwards, 1954). Since the variables had been extracted from the manifest needs found in Murray's personality theory, Edwards labeled his variables with the original names given by Murray. There are 15 of these manifest needs:

De Personal Preference Schedule is copywrited by Allen L. Edwards and the Psychological Corporation.

<sup>\*</sup> This research was supported by the National Center for Social Research, Athens, Greece and by the Department of Psychology, Wayne State University, Detroit, Michigan. Many of the staff of the Center read and offered suggestions about the accuracy of the translation of the EPPS, however, the majority of the translation was made (exceptionally well) by Miss Pany Carella. Maria Malikiosi and Athena Ioakimopoulou provided enthusiastic and invaluable research assistance during the data collection.

- 1. Achievement
- 2. Deference
- 3. Order
- 4. Exhibition
- 5. Autonomy
- 6. Affiliation
- 7. Intraception 8. Succorance
- 9. Dominance
- 10. Abasement
- 11. Nurturance
- 12. Change
- 13. Endurance
- 14. Heterosexuality
- 15. Aggression

Each of these variables of «needs» is represented by nine statements. A statement from each need is paired twice with a statement from every other need to give a total of 210 comparison items. The subjects are instructed to select from each pair of statements the statement which is more characteristic of themselves.

The forced-choice or paired-comparison design of the EPPS is one of the primary merits of the test and also one of the features which is often criticized. The advantage of this design is that there is some control over the unwanted variance produced by the social desirability of each test statement (see Edwards, 1954). The primary disadvantage of the paired-comparison design is that an ipsative rather than a normative score is produced. Hence, a subject's score of any one variable can be considered only in relation to his score on the other variables in the test. If a subject has a high score on «achievement,» he must have a low score on some other variable; a subject cannot score high on all variables or low on all variables. An absolute score or normative score of the subject's «need for achievement» is not produced. Edward does, however, provide charts and tables whereby the ipsative score can be converted to a percentile score for comparison with percentile, rank norms. The manual for the EPPS presents both male and female norms for a general college population in the United States.

The internal consistency of the EPPS (split-half reliability), which is based on a sample of 1509 students, ranges from .60 to .78 with a median correlation of .78. The median retest reliability after one week was .83 with a range from .74 to .87 (n = 89). The validity of the EPPS has been more difficult to establish. In addition to the face validity of the test statements, the validity of the EPPS has been tested by correlating the test with other personality tests. Edwards presents correlations of the EPPS with the Taylor Manifest Anxiety Test and also with the Guilford-Martin Inventory and concludes that «these

correlations are, in general, in the expected direction» (Edwards, 1954). The previously mentioned review article (Buros, 1965) indicates that when the EPPS is compared with scores on other self-report instruments, there is a moderate correlation (median correlation equals .39). However, comparison of the EPPS scores with non-test or behavior variables measures are somewhat disappointing. For example, the achievement score was significantly related to academic performance in seven studies but unrelated in three other studies (see Buros, 1965). However, since the EPPS purports to measure «motivation» or «needs,» it may not be conceptually necessary for subjects with high needs for achievement to be. in fact, successful achievers. Intelligence and other abilities undoubtedly play a major role, along with motivational needs, in determining academic success.

#### preparation of the Greek translation

The English version of the Edwards' test indicates scores on 15 personality needs and requires approximately 90 minutes to administer. Because the Edwards test was only one of several test instruments to be included in the survey of Greek university students, it was necessary that we produce a short version of the test which would be completed by the students in 20 to 40 minutes. Six of the manifest needs were selected from the original 15 needs for inclusion in the Greek translation. The six needs which were finally selected appeared, a priori, to be the dimensions which would be most salient and «normal» for university students. Hence, these scores would provide the data most relevant to our primary purpose of describing and comparing students in each of the Greek universities and colleges. The six needs which are included in the test are: achievement, order, autonomy, affiliation, dominance, and change. Edwards' description of these six needs is given as fol-

1. Achievement: To do one's best, to be successful, to accomplish tasks requiring skill and effort, to be a recognized authority, to accomplish something of great significance, to do a difficult job well, to solve difficult problems and puzzles, to be able to do things better than others, to write a great novel or play.

2. Order: To have written work neat and organized, to make plans before starting on a difficult task, to have things organized, to keep things neat and orderly, to make advance plans when taking a trip, to organize details of work, to keep letters and files according to some system, to have meals organized and a definite time for eating, to have things arranged so that they run smoothly without change.

3. Autonomy: To be able to come and go as desired, to say what one thinks about things, to be in-

dependent of others in making decisions, to feel free to do what one wants, to do things that are unconventional, to avoid situations where one is expected to conform, to do things without regard to what others may think, to criticize those in positions of authority, to avoid responsibilities and obligations.

4. Affiliation: To be loyal to friends, to participate in friendly groups, to do things for friends, to form new friendships, to make as many friends as possible, to share things with friends, to do things with friends rather than alone, to form strong at-

tachments, to write letters to friends.

5. Dominance: To argue for one's point of view, to be a leader in groups to which one belongs, to be regarded by others as a leader, to be elected or appointed chairman of committees, to make group decisions, to settle arguments and disputes between others, to persuade and influence others to do what one wants, to supervise and direct the actions of others, to tell others how to do their jobs.

6. Change: To do new and different things, to travel, to meet new people, to experience novelty and change in daily routine, to experiment and try new things, to eat in new and different places, to try new and different jobs, to move about the country and live in different places, to participate in new fads and

fashions.

The paired comparisons format of the test was retained in order that the social desirability of each item and of each personality need could be attenuated if not completely eliminated. Seven statements representing each of the needs were taken from the original Edwards manual and these were translated into Greek. A statement from each need was then paired against a statement from each of the other needs and this process was repeated four times to give a total of 60 test items. There are a total of twenty comparisons for each of the six needs in the test, hence, three of the seven statements representing each need are repeated once.

The subject is instructed to read each of the sixty pairs of statements and to pick the statement from each pair «which best describes what you like or how you feel.» (See instruction Sheet on page 92). The subject records his answer by circling the alternative which best describes him. The answers can be recorded on the structured answer sheet (see page 93) which will facilitate quick and easy tabulation of the subject's

scores on each of the six dimensions.1

The accuracy of the Greek translation was checked by several bi-lingual members of the research staff at the National Center for Social Research who read both the Greek and English versions of each statement used in the test. One bi-lingual member of the staff, who had not previously seen the English test, translated the Greek version back into English. This «blind» translation produced an English version of the test which was a nearly perfect representation of the original English questionnaire. The most crucial check on the validity or accuracy of the translation was made by administering both the Greek translation and the original English version of the EPPS to bi-lingual students at Pierce College in Athens. Since courses at Pierce College are taught in English, it is reasonable to assume that Greek students who are enrolled at Pierce College are sufficiently fluent in English that they could provide valid information about the accuracy of the Greek translation.

There were 86 students in the Pierce College testing group. The students were second, third, and fourth year students who were tested in their classrooms at Pierce College during a two hour testing session. The two versions of the EPPS were given at the first and last of the testing session with approximately one hour of additional research questionnaires (attitude scales, demographic biographical questions, etc.) inserted between the two versions of the EPPS.

The subjects' scores on the six dimensions on the English and Greek versions of the test were significantly correlated beyond the .001 level. These correlations are presented in Table 1. Since Edwards indicates that the median reliability of his test is .89, these correlations are about as high as the reliabilities of the original test will permit. The correlations were highly encouraging since they indicate that the Greek

TABLE 1. Correlations of the English and Greek Versions of the Edwards Personal Preference Schedule when Administered to Bi-lingual Subjects (n = 86)

| EPPS Variable               | Correlation |  |
|-----------------------------|-------------|--|
| 1. Achievement              | .71         |  |
| 2. Order                    | .86         |  |
| 3. Autonomy                 | .78         |  |
| 4. Affiliation              | .79         |  |
| <ol><li>Dominance</li></ol> | .84         |  |
| 6. Change                   | .69         |  |
| Average Correlation         | .78         |  |

Note: All correlations are significant at the .001 level.

translation of the EPPS is indeed measuring the same personality needs as the original English version of the test. However, since the Pierce College sample was too small to establish percentile norms, the Greek EPPS was administered to a much larger sample of Greek university students.

<sup>1.</sup> We would like to thank Mr. Michael Chernoff for his assistance in designing the answer sheet.

#### normative and reliability data for the Greek EPPS

The Greek EPPS was administered to a one percent sample of students at all Greek universities and schools during the 1971-72 academic year. The data from the University of Thessaloniki were collected in the Fall of the 1972-73 year. Since the primary purpose of the survey was to assess students' attitudes toward their university education, the sample includes only advanced students in hopes that these students could give a broader appraisal of the total educational program at the university. Table 2 indicates the number of students from each school who are included in the total sample. The sample represents approximately a one percent sample of the larger universities. However, a minimum of 35 students from each of the smaller academies and schools were included in order that statistical comparisons could be made among the various schools. Consequently, some of the very small academies are overrepresented in the normative data.

TABLE 2. Number of Students from Each School Included in the Sample

| School  | N     |
|---|-------|
| University of Athens                              | 271   |
| University of Thessaloniki                        | 389   |
| University of Ioannina                            | 164   |
| University of Patras                              | 73    |
| Athens Graduate School of Economics and Busin     | ess   |
| Science (A.S.O.E.E.)                              | 53    |
| Piraeus Graduate School of Industrial Studies     |       |
| (A.B.S.P.)  | 56    |
| Thessaloniki Graduate School of Industrial Studie | es 35 |
| Pantios Graduate School of Political Sciences     |       |
| (P.A.S.P.E.)                                      | 67    |
| National Academy of Physical Education            | 35    |
| Technical University of Athens                    | 35    |
| Arsakios Pedagogic Academy                        | 35    |
| Harocopios Higher School of Home Economics        | 35    |
| Pierce College                                    | 52    |
| Total   | 1.200 |

The questionnaire, which included the Greek EPPS and the attitude survey items, was administered to the students in a two hour testing session at the various universities, colleges and academies. The students were tested in classroom groups during their regularly scheduled lecture periods. The questionnaire was self-administered since all instructions had been included within the questionnaire. In most cases, however, a member of the research staff gave some brief introductory remarks about the purpose of the survey and about the anonymity of the students' answers. The students were told that they could be given some of the results of the tests if they would write a code number (which they had to invent) on the first

page of the questionnaire. A student's scores could be retrieved and discussed with him by contacting the research center in Athens.

The mean age of the 1200 students in the survey is 21.7 years. There are 654 males and 545 females. One student failed to indicate his or her sex on the questionnaire and, thus, he or she is omitted from the standardization data. The means and standard deviations for the total sample are presented in Table 3. This table also provides the means and standard deviations separately for the males and females in the sample.

TABLE 3. Means and Standard Deviations for Males, Females and the Total Sample

|             | Me       | eans    |         | Stand | ard Devi | ations |  |
|-------------|----------|---------|---------|-------|----------|--------|--|
| Variable    | Males    | Females | Total   | Males | Females  | Total  |  |
|             | N = 654  | N = 545 | N = 120 | 0     |          |        |  |
| Achievemen  | t 11.44* | 10.81   | 11.15   | 3.17  | 2.93     | 3.07   |  |
| Order       | 9.55     | 9.52    | 9.54    | 3.53  | 3.61     | 3.56   |  |
| Autonomy    | 11.19    | 10.92   | 11.13   | 3.32  | 3.31     | 3.90   |  |
| Affiliation | 9.72*    | 11.03   | 10.33   | 3.62  | 3.54     | 3.66   |  |
| Dominance   | 7.78*    | 6.43    | 7.18    | 3.73  | 3.17     | 3.63   |  |
| Change      | 10.28*   | 11.27   | 10.73   | 3.20  | 3.21     | 3.24   |  |

\* Indicates that the male vs. female means are significantly different at the ,001 level,

The reliability of the scores was determined by a split-half method. The answer sheet has been designed in a way which requires that «row» and «column» subtotals are calculated for each of the six personality needs. These correlations, after first being adjusted by the Spearman-Brown formula (see Walker and Lev, 1961, p. 303) are presented in the first column of Table 4. All of these correlations are significant well beyond the .001 level. The split-

TABLE 4. Split-Half Correlations (Internal Consistencies) of the Personality Variables

|                     | Split-Half Correlations   |                              |  |  |  |  |
|---------------------|---|------------------------------|--|--|--|--|
| Variable            | $\begin{array}{l} \text{Greek EPPS} \\ \text{N} = 1200 \end{array}$ | English EPPS $^{1}$ N = 1509 |  |  |  |  |
| Achievement         | .65   | .74                          |  |  |  |  |
| Order               | .73   | .74                          |  |  |  |  |
| Autonomy            | .72   | .76                          |  |  |  |  |
| Affiliation         | .78   | .70                          |  |  |  |  |
| Dominance           | .68   | .81                          |  |  |  |  |
| Change              | .72   | .79                          |  |  |  |  |
| Average Correlation | .71   | .76                          |  |  |  |  |
|                     |   |                              |  |  |  |  |

Note: All correlations are significant well beyond the .001 level, All correlations have been adjusted for length of test using the Spearman-Brown formula (Walker and Lev, 1961, p. 303).

1. The split-half correlations for the English version of the EPPS are taken from Edwards (1954).

half reliabilities reported by Edwards (1954) for each personality need can be found in the second column of Table 4. Although the internal reliability of the English version of the EPPS is somewhat higher than the Greek translation, it should be pointed out that the English standardization data are based on 1509 cases (compared to 1200). Furthermore, the English EPPS involves 28 comparison items for each personality need whereas the Greek EPPS involves only 20 comparison items for each need. Hence, given these statistical limitations of the Greek data, the splithalf reliabilities reported in Table 4 seem adequate and satisfactory.

The percentile corresponding to a given score for each personality need can be found in Tables 5 and 6. The percentiles have been computed separately for males and females since these two groups had significantly different means on four of the six personality needs (see Table 3). Since the scores produced on the EPPS are ipsative scores for that particular individual, these percentile charts permit comparison with the normative group. A percentile score of 87 would indicate that only 13 percent of the normative group had scores higher than the subject; a percentile score of 10 would indicate that 90 per cent of the normative group scored higher than the

TABLE 5. Chart for Conversion of Raw Scores to Percentiles-Males (N=654)

|           | Percentile Score |     |     |     |     |     |  |  |  |  |
|-----------|------------------|-----|-----|-----|-----|-----|--|--|--|--|
| Raw Score | Ach              | Ord | Aut | Aff | Dom | Chg |  |  |  |  |
| 20        | 100              | 100 | 100 | 100 | 100 | 100 |  |  |  |  |
| 19        | 100              | 100 | 100 | 100 | 100 | 100 |  |  |  |  |
| 18        | 99               | 100 | 99  | 100 | 100 | 100 |  |  |  |  |
| 17        | 97               | 100 | 98  | 99  | 99  | 100 |  |  |  |  |
| 16        | 95               | 98  | 96  | 97  | 98  | 98  |  |  |  |  |
| 15        | 92               | 95  | 90  | 95  | 95  | 95  |  |  |  |  |
| 14        | 84               | 92  | 83  | 92  | 94  | 90  |  |  |  |  |
| 13        | 73               | 87  | 74  | 85  | 92  | 83  |  |  |  |  |
| 12        | 62               | 79  | 64  | 77  | 88  | 73  |  |  |  |  |
| 11        | 50               | 71  | 52  | 66  | 85  | 64  |  |  |  |  |
| 10        | 38               | 59  | 41  | 56  | 79  | 53  |  |  |  |  |
| 9         | 27               | 48  | 30  | 47  | 71  | 43  |  |  |  |  |
| 8         | 18               | 38  | 20  | 36  | 62  | 31  |  |  |  |  |
| 7         | 11               | 29  | 12  | 27  | 51  | 19  |  |  |  |  |
| 6         | 6                | 22  | 9   | 19  | 41  | 12  |  |  |  |  |
| 5         | 3                | 14  | 5   | 14  | 31  | 6   |  |  |  |  |
| 4         | 2                | 8   | 3   | 9   | 20  | 3   |  |  |  |  |
| 3         | 1                | 4   | 1   | 5   | 11  | 2   |  |  |  |  |
| 2         | 0                | 1   | 1   | 3   | 5   | 1   |  |  |  |  |
| 1         | 0                | 1   | 0   | 1   | 2   | 0   |  |  |  |  |

subject. Although Edwards is reluctant to interpret what constitutes a «high» or a «low» score, he does give the following description of the percentile scores:

| Percentiles  | Interpretation |
|--------------|----------------|
| 97 and above | Very High      |
| 85 to 96     | High           |
| 17 to 84     | Average        |
| 4 to 16      | Low            |
| 3 and below  | Very Low       |

Edwards' advice is probably also valid for the Greek EPPS, namely, that each researcher or each counselor who uses the EPPS should determine high and low scores depending upon what group is being studied, how closely that group compares with the standardization group, and for what purpose the test is being administered. Tables 5 and 6 can be used

TABLE 6. Chart for Conversion of Raw Scores to Percentiles – Females (N = 545)

| Raw |       |      |     | Pe  | rcenti | le  |     |  |
|-----|-------|------|-----|-----|--------|-----|-----|--|
|     | Score | Arch | Ord | Aut | Aff    | Dom | Chg |  |
|     | 20    | 100  | 100 | 100 | 100    | 100 | 100 |  |
|     | 19    | 100  | 100 | 100 | 100    | 100 | 100 |  |
|     | 18    | 99   | 100 | 99  | 99     | 100 | 100 |  |
|     | 17    | 97   | 99  | 96  | 98     | 100 | 99  |  |
|     | 16    | 93   | 98  | 90  | 95     | 99  | 96  |  |
|     | 15    | 89   | 95  | 85  | 89     | 99  | 89  |  |
|     | 14    | 80   | 90  | 77  | 83     | 98  | 82  |  |
|     | 13    | 72   | 86  | 67  | 74     | 96  | 74  |  |
|     | 12    | 62   | 78  | 55  | 67     | 92  | 64  |  |
|     | 11    | 49   | 70  | 47  | 55     | 88  | 52  |  |
|     | 10    | 34   | 61  | 36  | 42     | 84  | 39  |  |
|     | 9     | 22   | 50  | 25  | 31     | 76  | 30  |  |
|     | 8     | 12   | 40  | 15  | 23     | 69  | 21  |  |
|     | 7     | 6    | 31  | 8   | 17     | 58  | 12  |  |
|     | 6     | 2    | 21  | 4   | 10     | 44  | 8   |  |
|     | 5     | 1    | 15  | 3   | 6      | 28  | 4   |  |
|     | 4     | 0    | 8   | 1   | 4      | 16  | 2   |  |
|     | 4     | 0    | 4   | 0   | 2      | 9   | 1   |  |
|     | 2     | 0    | 2   | 0   | 1      | 3   | 0   |  |
|     | 1     | 0    | 1   | 0   | 1      | 1   | 0   |  |

to convert the raw scores to percentile scores and in addition, the charts given in Tables 7 and 8 can facilitate the interpretation of any subject's test results. These charts should more clearly indicate to the counselor or the researcher exactly how a given subject's test results compare with the previously described standardization.

#### comparison of the Greek and American data

It is difficult to compare the scores of the Greek subjects with the scores of the American subjects since the Greek EPPS includes only six of the 15 personality variables found in the English version. As mentioned previously, the ipsetive scoring procedure (used on both the Greek and English versions) produces a score which is, in part, determined by what other personality variables have been included in the test; the scores are not absolute, but are relative to the subject's profile of scores around his own mean. It is also true that the Greek EPPS has only 20 items per variable whereas the original EPPS has 28 items per variable.

Despite the troublesome ipsative scores, a crude rank-order comparison of the Greek and American data is presented in Table 9. This table was assembled

TABLES 7 and 8. Work Sheet for EPPS - Males and Females

| 19             | 17-         | 19       | 18          | 18        | 17     |
|----------------|-------------|----------|-------------|-----------|--------|
| 19<br>16<br>14 | 15          | 10       | 15          | 15        | 15     |
| 1.0            |             | 15       |             |           | 14     |
| 14             | 13          |          | 13          | 12        |        |
| 14             | 12          | 14       |             |           | 13     |
|                | 12          | 13       | 12          | 10        |        |
| 13             | . 11        | 13       |             | 9         | 12     |
|                |             | 12       | 11          |           |        |
| 12             |             | 12       |             | 8         | 11     |
|                | 10          |          | 10          | 7         |        |
| 11             |             | 11       |             | 7         | 10     |
|                | 9           |          | 9           |           |        |
| 10             |             | 10       |             | 6         | 9      |
| 10             | 8           |          | 8           |           |        |
|                | To the last | 9        |             | 5         | 8      |
| 9              | 7           | ,        | 7           |           |        |
|                | 6           | 8        |             | 4         |        |
| 8              |             | 0        | 6           |           | 7      |
| 7              | 5           | 7        | 5           |           |        |
| 6 —            | 4           |          | 4           | 2         | 6      |
|                |             |          |             | 12        |        |
| ACHIEVEMENT    | ORDER       | AUTONOMY | AFFILIATION | DOMINANCE | CHANGE |
| CORE           |             |          |             |           |        |

| 00 -         | 18          | 17-   | 18       | 18-         | 16        | 17     |
|--------------|-------------|-------|----------|-------------|-----------|--------|
| 95 —         | 1.0         |       | 10       | 10          | 10        | 17     |
| 90 -         | 15          | 14    | 16       | 15          | 11        |        |
| 35 —         | 1           |       | 15       |             |           | 14     |
| 30 —<br>75 — | 14          | 12    | 14       |             | 9         | 13     |
| 70 -         | 13          | 11-   | 13       | 13          | 8         | 13     |
| 55 —         | 12          | 10    | 13       |             |           | 12     |
| 55 —         |             | 10    | 12       | 11-         | 7         |        |
| 50           | 11          | 9     |          | 11          |           | 11     |
| 15 -         |             |       | 11       |             | 6         |        |
| 10<br>35     |             | 8     | 10       | 10          |           | 10     |
| 30           | 10          | 7     | 10       | 9           |           | 9      |
| 25 -         |             |       | 9 —      |             | 5         | 3      |
| 20 -         | 9           | 6     |          | 8 7         |           | 8-     |
| 15           | 8           | 5     | 8        | 6           | 4         | 7      |
| 5            | 7           | 4     | 7        | 0           | 3         |        |
| 0            |             |       |          |             |           |        |
|              | ACHIEVEMENT | ORDER | AUTONOMY | AFFILIATION | DOMINANCE | CHANGE |
| sco          | DRE         |       |          |             |           | _      |

by converting the Greek means (both male and female) to a rank order. The first rank was assigned to the personality variable which had the highest mean, and so forth. Similarly, the means for the American subjects were converted to a rank order using only the six personality variables which were included in the Greek EPPS. Obviously this procedure is not completely legitimate since it assumes that the ranking of these means is not affected by the nine other personality variables which are included in the English version of the EPPS. Nevertheless, the data found in Table 9 permit some cautious interpretations.

TABLE 9. Rank Order of the Personality Variables for Greek and American Subjects

|             | Ma    | les |             | Females |     |  |
|-------------|-------|-----|-------------|---------|-----|--|
| Variable    | Greek | USA | Variable    | Greek   | USA |  |
| Achievement | 1     | 2   | Change      | 1       | 2   |  |
| Autonomy    | 2     | 5   | Affiliation | 2       | 1   |  |
| Change      | 3     | 3   | Autonomy    | 3       | 5   |  |
| Affiliation | 4     | 4   | Achievemen  | t 4     | 4   |  |
| Order       | 5     | 6   | Order       | 5       | 6   |  |
| Dominance   | 6     | 1   | Dominance   | 6       | 3   |  |

Comparison of the Greek and American males shows some interesting reversals of the achievement and dominance variables. For Greek males, achievement is ranked highest and dominance is ranked lowest. For American males, however, dominance is ranked highest and achievement is ranked second highest. The autonomy variable also shows a wide discrepancy between the Greek and American males. Autonomy is ranked second highest by Greek males but is ranked fifth by American males. The Greek males indicate strong needs for achievement and autonomy which Edwards interprets as meaning personal success and independence, i.e., the Greek males seem to be looking for non-conforming, independent ways of succeeding. The American males ranked dominance and achievement as their highest needs. Since Edwards interprets dominance as need for leadership and need for power over the group, the American males seem to be striving for personal achievement and success within a social structure (such as business, politics, economics).1

The Greek and American females are more similar to each other than are the Greek and American males. The Spearman rank-order correlation for females is .64 while the same correlation for males is .03. The pattern of variables for females shows

that need for affiliation is ranked higher than need for achievement whereas males (both Greek and American) ranked achievement higher than affiliation. This finding is consistent with the psychological and sociological literature which has distinguished between the male and female roles, in Western cultures, on the basis of achievement vs. affiliation motivation. However, it should also be noted that the two female groups both ranked the need for change very high in importance which may be interpreted as dissatisfaction with the traditional female role of passivity and dependency. Considering the fact that the sample population is college females, this interpretation of the importance of the change variable is even more reasonable.

#### suggested uses for the Greek EPPS

Our purpose in developing and publishing a Greek translation of the EPPS is to provide a paper-andpencil personality test which can be used in counseling and research situations involving young Greek men and women. Although a few projective tests have been standardized in Greece, these are useful, mainly, in diagnosing forms of psychopathology. There are few, if any, standardized personality tests which can be used with normal, functioning individuals. The personality variables which are assessed by the EPPS represent common, day-to-day motives and needs that are found in healthy, well-adjusted individuals and, therefore, provide the basis for much daily social behavior. The EPPS is best suited, then, as a tool for those who work with or wish to understand the normal motivational needs of young Greek adults.

Vocational and guidance counselors, as opposed to psychiatrists and clinical therapists, will probably find the test helpful in their work. As Edwards suggests, a counselee can be shown his profile of scores on the variables during the counseling session. Since the variables are both «normal» and non-evaluative. the test results are not likely to arouse extreme defensiveness. Consequently, the test results can become the basis for discussion during the counseling session. Edwards adds the following suggestions about the use of the EPPS in counseling situations: «In practice it has been found useful to discuss the present relative strength of the variables, first in relation to the counselee himself by using a rank ordering of the raw scores, and then in relation to his own sex by using the percentile scores. Such a procedure tends to reduce a conselee's defensiveness about his scores and to stimulate discussion regarding the probable psychological satisfyingness of various education or vocation goals... During the interview it is very important to discuss the relationships suggested by the patterning of the scores rather than to place

<sup>1.</sup> It should be noted that the American data were collected by Edwards in 1954, which is nearly ten years before the major student protests and anti-government demonstrations began in the United States. The ranking of EPPS variables and the subsequent interpretation would, undoubtedly, be quite different if the 1954 data had been collected in 1974.

emphasis on extreme scores only (Edwards, 1954, p. 10).»

The interpretation of the various personality needs must be made with caution until research has clearly established how each of these personality needs is related to various occupations and Greek cultural norms. Since the role expectations of such occupations as «teacher,» «businessman,» or «military officer» undoubtedly vary from culture to culture, it would be unwise to base vocational guidance in Greece upon relationships between Greek personality and American occupations. The Greek translation of the EPPS should provide an objective, reliable instrument which can be used to study such important problems as the relationship between personality and occupational choice, or, more importantly, the relationship between personality and occupational success and occupational satisfaction.

Clearly, then, one of the major uses of the Greek EPPS is as a research instrument. It is quite evident from the previous discussion, that the EPPS cannot be used extensively as a counseling instrument until some minimal research has been conducted which explores the heuristic and practical utility of this instrument in the Greek culture. The test is reliable and easily administered and easily scored. However, future research must clearly delimit what meaning such personality needs as «achievement,» «affiliation,» «dominance,» etc. have within the Greek culture. We hope that this test will prove useful for psychological research in Greece and, eventually, will prove helpful for those who counsel and work with young Greek adults.

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#### ΚΛΙΜΑΞ ΠΡΟΣΩΠΙΚΩΝ ΠΡΟΤΙΜΗΣΕΩΝ

Allen L. Edwards, University of Washington

#### ΟΔΗΓΙΕΣ

Τὸ ἐρωτηματολόγιο ποὺ ἀκολουθεῖ ἀποτελεῖται ἀπὸ ζεύγη προτάσεων ποὺ ἀναφέρονται σὲ πράγματα ποὺ μπορεῖ νὰ σᾶς ἀρέσουν ἢ νὰ μὴ σᾶς ἀρέσουν. "Ενα τέτοιο ζεῦγος προτάσεων είναι:

Α. Μοῦ ἀρέσει νὰ μιλῶ στοὺς ἄλλους γιὰ τὸν ἑαυτό μου.

 Β. Μοῦ ἀρέσει νὰ ἐργάζωμαι γιὰ τὴν ἐπίτευξη ἑνὸς σκοποῦ ποὺ ἔχω θέσει γιὰ τὸν ἑαυτό μου.

Ποιά ἀπὸ τὶς δύο αὐτὲς προτάσεις χαρακτηρίζει περισσότερο τὴν προτίμησή σας: 'Αν σᾶς ἀρέση«νὰ μιλᾶτε στοὺς ἄλλους γιὰ τὸν ἐαυτό σας» μάλλον παρὰ «νὰ ἐργάζεσθε γιὰ τὴν ἔπίτευξη ἐνὸς σκοποῦ ποὺ ἔχετε θέσει γιὰ τὸν ἑαυτό σας», τότε θὰ πρέπει νὰ διαλέξετε μεταξὺ τῶν δύο προτάσεων τὴν Α. ''Αν σᾶς αρέση «νὰ ἐργάζεσθε γιὰ τὴν ἔπίτευξη ἐνὸς σκοποῦ ποὺ ἔχετε θέσει γιὰ τὸν ἐπίτευξη ἐνὸς σκοποῦ ποὺ ἔχετε θέσει γιὰ τὸν ἐαυτό σας» μᾶλλον παρὰ «νὰ μιλᾶτε στοὺς ἄλλους γιὰ τὸν ἑαυτό σας», τότε θὰ πρέπει νὰ διαλέξετε μεταξὺ τῶν δὸο προτάσεων τὴ Β.

Μπορεῖ νὰ σᾶς ἀρέση καὶ ἡ πρόταση A καὶ ἡ πρόταση B.  $\Sigma$  ἀυτὴν τὴν περίπτωση θὰ πρέπει νὰ διαλέξετε ἐκείνη ποὸ σᾶς αρέσι ο Του Του τὸς A δὰν σᾶς ἀρέση οὕτε ἡ A οὔτε ἡ B, τότε θὰ πρέπει νὰ διαλέξετε ἐκείνη ποὸ λιγώτερο δὲν σᾶς A-

οέσε

Τὰ ζεύγη προτάσεων τοῦ ἐρωτηματολογίου εἶναι παρόμοια μὲ αὐτὸ ποὺ ἐδόθη στὸ παράδειγμα. Διαβάστε καλά κάθε ζεύγος προτάσεων καὶ ἐαἰλέξτε τὴν πρόταση ποὺ περιγράφει καλλίτερα τὸ τί σᾶς ἀρέσει, πῶς αἰσθάνεσθε. Στὸ φύλλο ἀπαντήσεων ὑπάρχουν ἀριθμοὶ ποὺ ἀντιστοιχοῦν στοὺς ἀριθμοὺς τῶν ζευγῶν. Δίπλα στὸν κάθε ἀριθμό βρίσκονται τὰ γράμματα Α καὶ Β. Γιὰ κάθε ζεῦγος, βάλτε σὲ κύκλο τὸ γράμμα ποὺ ἀντιστοιχεῖ στὴν πρόταση τῆς προτιμήσεώς σας. Μὴ γράψετε τίποτε ἄλλο ἔπάνω στὸ φύλλο ἀπαντήσεων.

Ή εκλογή σας, σὲ κάθε περίπτωση, θὰ πρέπει νὰ βασίζεται στὸ τί σᾶς ἀρέσει ἢ πῶς αἰσθάνεσθε τώρα καὶ ὅχι στὸ τί νομίζετε ὅτι θὰ ἔπρεπε νὰ σᾶς ἀρέση ἢ νὰ αἰσθάνεσθε λέν πρόκειται γιὰ ἐξέταση. λὲν ὑπάρχουν σωστὲς ἢ λανθασμένες ἀπαντήσεις. Ἡ ἐκλογή σας πρέπει νὰ ἀποτελἢ μιὰ ἀντιπροσωπικὰ τικὴ περιγραφὴ τοῦ τί προσωπικὰ σᾶς ἀρέσει ἢ πῶς προσωπικὰ σας ἀρέσει ἢ πῶς προσωπικὰ τος ἀρέσει ἢ πῶς προσωπικὰ τος ἀρέσει ἢ τῶς προσωπικὰ τος ἀρέσει ἢ τος ἐπροσωπικὰ τος ἀρέσει ἢ τος ἀρέσει ἢ τος ἐπροσωπικὰ τος ἀρέσει ἢ τος ἀρέσει ἢ τος ἐπροσωπικὰ τος ἀρέσει ἢ τος ἀρέσει ἢ τος ἐπροσωπικὰ τος ἀρέσει ἢ τος ἐπροσωπικὰ τος ἀρέσει ἢ τος ἐπροσωπικὰ τος ἀρέσει ἢ τος ἀρέσει ἢ ἐπροσωπικὰ τος ἀρέσει ἢ ἐπροσωπικὰ τος ἀρέσει ἢ ἐπροσωπικὰ ἐπ

αἰσθάνεσθε.

Βεβαιωθήτε ὅτι καταγράφετε τὶς προτιμήσεις σας στὶς σωστὲς θέσεις, στὸ φύλλο ἀπαντήσεων, βάζοντας σὲ κύκλο τὸ γράμμα Α ἢ τὸ γράμμα Β, ἀναλόγως, δίπλα στὸν ἀριθμὸ τοῦ ζεύγους προτάσεων ποὺ ἔχετε μόλις διαβάσει. Δηλῶστε τὴν προτίμησή σας γιὰ κάθε ζεῦγος προτάσεων μὴν ἀφήνετε κενά.

Μήν ἀφιερώνετε πολύ χρόνο για να σκεφθήτε αν προτιμάτε την απάντηση Α ή Β. Η πρώτη απάντηση που Ερχεται στό νοῦ σας είναι συνήθως ή ἀκριβέστερη. Έργασθήτε μὲ ταχύ ρυθμό ἀλλά βεβαιωθήτε στι σημειώνετε σωστά τὶς ἀπαντήσεις σας στὸ φύλλο τῶν ἀπαντήσεων.

-Δι' ὁδηγίας εἰς τὴν 'Αγγλικὴν βλέπε Edwards Personal Preference Schedule, The Psychological Corporation, New York.

 Α Κάθε γραπτή ἐργασία ποὺ ἐτοιμάζω μοῦ ἀρέσει νὰ εἴναι ἀκριβής, καθαρή καὶ καλὰ ἀργανωμένη.
 Β Μοῦ ἀρέσει νὰ λύγω αἰνίγματα καὶ προβλήματα ποὺ

είναι δύσκολα νιά τούς άλλους

είναι δύσκολα γιὰ τοὺς ἄλλους.

Α Θέλω νὰ μπορῶ νὰ ἔχω ἐλευθερία κινήσεων.
 Β Θέλω νὰ ἐπιτυγχάνω σὲ ὅ,τι ἀναλαμβάνω.

3. Α Θέλω νὰ εἴμαι πιστὸς στοὺς φίλους μου.

- Β Θὰ ἥθελα νὰ κατορθώσω νὰ φέρω εἰς πέρας κάτι πολὺ σημαντικό.
- Α Θέλω νὰ εῖμαι ἕνας ἀπὸ τοὺς ἀρχηγοὺς στὶς ὀργανώσεις καὶ στὶς ὁμάδες ὅπου ἀνήκω.
  - Β Μοῦ ἀρέσει νὰ φέρω εἰς πέρας ἔργα γιὰ τὰ ὁποῖα οἱ ἄλλοι ἀναγνωρίζουν πώς ἀπαιτεῖται δεξιότης καὶ προσπάθεια.

5. Α Μοῦ ἀρέσει νὰ ταξιδεύω.

- Β Θέλω νὰ εἴμαι σὲ θέση νὰ πῶ ὅτι ἔχω φέρει εἰς πέρας μὲ ἐπιτυχία ἕνα δύσκολο ἔργο.
- Α Θὰ ἤθελα νὰ εἶμαι ἀνεγνωρισμένη αὐθεντία σὲ κάποιον τομέα.
  - Β Θέλω νὰ σχεδιάζω καὶ νὰ ὀργανώνω τὶς λεπτομέρειες κάθε ἔργου ποὺ πρόκειται νὰ ἀναλάβω.
- Α Θέλω νὰ αἰσθάνωμαι ἔλεύθερος νὰ κάνω αὐτὸ ποὺ θέλω.
  - Β Κάθε γραπτή ἐργασία ποὺ ἐτοιμάζω μοῦ ἀρέσει νὰ εἶναι ἀκριβής, καθαρὴ καὶ καλὰ ἀργανωμένη.
- 8. Α Προτιμώ νὰ κάνω κάτι μαζί μὲ τοὺς φίλους μου μᾶλλον παρὰ μόνος μου.
   Β Θέλω τὰ γεύματά μου νὰ εἶναι ἀργανωμένα καὶ νὰ ἔχω
- Α Θέλω να ἐπιβλέπω καὶ νὰ κατευθύνω τὶς πράξεις ἄλλων
- ἀνθρώπων ὅποτε μπορῶ.
  Β Μοῦ ἀρέσει νὰ διατηρῶ καθαρὸ καὶ τακτοποιημένο τὸ γραφεῖο μου ἢ τὸν χῶρο ποὺ ἐργάζομαι.
- Α Μοῦ ἀρέσει νὰ γευματίζω σὲ νέα καὶ μὲ ἰδιαίτερο «χρῶμα» έστιατόρια.
  - Β Μοῦ ἀρέσει νὰ τηρῶ τὴν ἀλληλογραφία μου, τοὺς λογαριασμούς μου καὶ τὰ ἄλλα μου χαρτιὰ τακτοποιημένα καὶ ἀρχειοθετημένα σύμφωνα μὲ κάποιο σύστη-
- Α Θὰ ἤθελα νὰ συγγράψω ἕνα σπουδαῖο μυθιστόρημα ἢ θεατρικὸ ἔργο.
  - Β Θέλω νὰ ἀποφεύγω καταστάσεις στὶς ὁποῖες ἀναμένεται νὰ ἐνεργῶ κατὰ συμβατικὸ τρόπο.
- 12. Α Θέλω νὰ σχεδιάζω καὶ νὰ ὀργανώνω τὶς λεπτομέρειες κάθε ἔργου ποὺ πρόκειται νὰ ἀναλάβω.
   Β Θέλω νὰ ἀποφεύγω ὑπευθυγότητες καὶ ὑπογρεώσεις.
- Β Θέλω νὰ ἀποφεύγω ὑπευθυνότητες καὶ ὑποχρεώσεις. 13. Α Μοῦ ἀρέσει νὰ δημιουργῶ ὅσο τὸ δυνατὸν περισσότερους φίλους. Β Θέλω νὰ μπορῶ νὰ ἔχω ἐλευθερία κινήσεων.
- Α Μοῦ ἀρέσει νὰ μπορῶ νὰ πείθω καὶ νὰ ἐπηρεάζω τοὺς ἄλλους νὰ κάνουν αὐτὸ ποὺ θέλω.
- Β Θέλω νὰ αἰσθάνωμαι ἐλεύθερος νὰ κάνω αὐτὸ ποὺ θέλω.
   15. Α Μοῦ ἀρέσει νὰ ἀκολουθῶ τἰς ἐκδηλώσεις τοῦ «συρμοῦ»
- καὶ τῆς μόδας. Β Θέλω νὰ ἐνεργῶ μὲ τὸν δικό μου τρόπο, χωρὶς νὰ ὑπο-
- λογίζω τί μπορεί νὰ σκεφτοῦν οἱ ἄλλοι.

  16. Α Μοῦ ἀρέσει νὰ λύνω αἰνίγματα καὶ προβλήματα ποὺ είναι δύσκολα γιὰ τοὺς ἄλλους.
  - Β Θέλω νὰ ἐξυπηρετῶ τοὺς φίλους μου.
- Α Μοῦ ἀρέσει νὰ κάνω πρῶτα ἔνα σχέδιο προκειμένου νὰ καταπιαστῶ μὲ κάτι δύσκολο.
- Β Μοῦ ἀρέσει νὰ κάνω καινούργιες φιλίες.
   18. Α Θέλω νὰ ἀποφεύγω καταστάσεις στὶς ὁποῖες ἀναμένεται νὰ ἐνεργῶ κατὰ συμβατικό τρόπο.
   Β Θάλω ἐνεργῶ κατὰ συμβατικό τρόπο.
- Β Θέλω νὰ εἴμαι πιστὸς στοὺς φίλους μου. 19. Α Μοῦ ἀρέσει νὰ λέω στοὺς ἄλλους πῶς νὰ κάνουν τὴ δουλειά τους.
- Β Θέλω νὰ εἶμαι πιστὸς στοὺς φίλους μου.
   20. Α Προτιμῶ νὰ δοκιμάζω διάφορες δραστηριότητες παρὰ νὰ ἀσχολοῦμαι διαρκῶς μὲ τὰ ἴδια πράγματα.

- A Any written work that I do I like to have precise, neat, and well organized.
  - B I like to solve puzzles and problems that other people have difficulty with.
- 2. A l like to be able to come and go as I want to. B I like to be successful in things undertaken.
- 3. A I like to be loval to my friends.
- B I would like to accomplish something of great signifi-
- A I like to be one of the leaders in the organizations and groups to which I belong.
  - B I like to accomplish tasks which others recognize as requiring skill and effort.
- 5. A I like to travel and see the country.
  - B I like to be able to say that I have done a difficult job well.
- A I would like to be a recognized authority in some job.
   B I like to plan and organize the details of any work that I have to undertake.
- 7. A I like to feel free to do what I want to do.
  - B Any written work that I do I like to have precise, neat, and well organized.
- A I like to do things with my friends rather than by myself.
   B I like to have my meals organized and a definite time set aside for eating.
- A I like to supervise and direct the actions of other people whenever I can.
  - B I like to keep things neat and orderly on my desk or workspace.
- 10. A I like to eat in new and strange restaurants.
  - B I like to keep my letters, bills, and other papers neatly arranged and filed according to some system.
- A I would like to write a great novel or play.
   B I like to avoid situations where I am expected to do things in a conventional way.
- A I like to plan and organize the details of any work that I have to undertake.
  - B I like to avoid responsibilities and obligations.
- 13. A I like to make as many friends as I can.
  - B I like to be able to come and go as I want to.
- 14. A I like to be able to persuade and influence others to do what I want.
  - B I like to feel free to do what I want to do.
- 15. A I like to participate in new fads and fashions.
  - B I like to do things in my own way and without regard to what others may think.
- A I like to solve puzzles and problems that other people have difficulty with.
  - B I like to do things for my friends.
- A I like to make a plan before starting in to do something difficult.
  - B I like to form new friendships.
- 18. A I like to avoid situations where I am expected to do things in a conventional way.
  - B I like to be loyal to my friends.
- A I like to tell other people how to do their jobs.
   B I like to be loyal to my friends.
- A I like to try new and different jobs rather than to continue to do the same old things.

- Β Προτιμῶ νὰ κάνω κάτι μαζὶ μὲ τοὺς φίλους μου μᾶλλον παρὰ μόνος μου.
- 21. Α Θέλω νὰ ἐπιτυγχάνω σὲ ὅ,τι ἀναλαμβάνω.
  - Β "Όταν μετέχω σὲ μιὰ ἐπιτροπὴ θέλω νὰ μὲ διορίζουν ἢ νὰ μὲ ἐκλέγουν πρόεδρο.
- Α Κάθε γραπτή ἐργασία ποὺ ἐτοιμάζω μοῦ ἀρέσει νὰ εἶναι ἀκριβής, καθαρή καὶ καλὰ ἀργανωμένη.
   Β Θέλω νὰ ὑποστηρίζω μὲ ἐπιχειρήματα τὴν ἄποψή μου
- όταν άλλοι τὴν ἀντικρούουν. 23. Α Θέλω νὰ ἀποφεύγω ὑπευθυνότητες καὶ ὑποχρεώσεις.
  - Α Θέλω να αποφείγω υπευθυνοτήτες και υποχρεωσείς.
     Β Θέλω νὰ είμαι ἕνας ἀπὸ τοὺς ἀρχηγοὺς στὶς ὀργανώσεις καὶ στὶς ὁμάδες ὅπου ἀνήκω.
- 24. Α Θέλω νὰ ἐξυπηρετῶ τοὺς φίλους μου.
  - Β Θέλω νὰ ἐπιβλέπω καὶ νὰ κατευθύνω τὶς πράξεις ἄλλων ἀνθρώπων ὅποτε μπορῶ.
- Α Μοῦ ἀρέσει νὰ μετακινοῦμαι καὶ νὰ ζῶ σὲ διάφορα μέρη.
   Β Θέλω νὰ εἴμαι ἕνας ἀπὸ τοὺς ἀρχηγοὺς στὶς ὀργανώ-
- σεις και στις όμάδες όπου ἀνήκω. 26. Α Θὰ ἥθελα νὰ κατορθώσω νὰ φέρω εἰς πέρας κάτι πολὺ
- 26. Α Θα ηθελα να κατορθώσω να φερώ εις περας κατι πολι σημαντικό.
- Β Μοῦ ἀρέσει νὰ ἔχω νέες ἐμπειρίες καὶ ἀλλαγὲς στὴν καθημερινή μου ρουτίνα.
- Α Θέλω τὰ γεύματά μου νὰ εἶναι ἀργανωμένα καὶ νὰ ἔχω μία συγκεκριμένη ὥρα φαγητοῦ.
  - Β Μοῦ ἀρέσει νὰ καταπιάνωμαι μὲ νέα καὶ διαφορετικὰ πράγματα.
- Α Θέλω νὰ μπορῶ νὰ ἔχω ἐλευθερία κινήσεων.
   Β Μοῦ ἀρέσει νὰ ταξιδεύω.
- 29. Α Μοῦ ἀρέσει νὰ κάνω καινούργιες φιλίες.
  - Β Μοῦ ἀρέσει νὰ γευματίζω σὲ νέα καὶ μὲ ἰδιαίτερο «χρῶμα» ἐστιατόρια.
- Α "Όταν μετέχω σὲ μιὰ ἐπιτροπὴ θέλω νὰ μὲ διορίζουν ἢ νὰ μὲ ἐκλέγουν πρόεδρο.
  - η να με εκλεγουν προεορο. Β Μοῦ ἀρέσει νὰ ἀκολουθῶ τὶς ἐκδηλώσεις τοῦ «συρμοῦ» καὶ τῆς μόδας.
- Α Θέλω νὰ ἔχω ἔτσι τακτοποιημένη τὴ ζωή μου ὥστε νά κυλάη ὁμαλὰ καὶ δίχως πολλὲς ἀλλαγὲς στὰ σχέδιά μου.
  - Β Μοῦ ἀρέσει νὰ εἴμαι σὲ θέση νὰ κάνω κάτι καλλίτερα ἀπὸ τοὺς ἄλλους.
- Α Θέλω νὰ εἶμαι ἀνεξάρτητος ὅταν ἀποφασίζω τἱ θέλω νὰ κάνω.
  - να κανω. Β Θέλω νὰ δίνω τὸν καλλίτερο έαυτό μου σὲ κάθε τι ποὺ ἀναλαμβάνω.
- Α Θέλω νὰ μοιράζωμαι πράγματα μὲ τοὺς φίλους μου.
   Β Θὰ ἥθελα νὰ εἴμαι ἀνεγνωρισμένη αὐθεντία σὲ κάποιον
- 34. Α Θέλω οἱ ἄλλοι νὰ μὲ θεωροῦν ἀργηγό.
  - Β Θὰ ἤθελα νὰ συγγράψω ἕνα σπουδαΐο μυθιστόρημα ἢ θεατρικὸ ἔργο.
- 35. Α Μοῦ ἀρέσει νὰ κάνω νέες γνωριμίες.
  - Β Μοῦ ἀρέσει νὰ λύνω αἰνίγματα καὶ προβλήματα ποὺ
- είναι δύσκολα γιὰ τοὺς ἄλλους.
  36. Α Μοῦ ἀρέσει νὰ φέρω εἰς πέρας ἔργα γιὰ τὰ ὁποῖα οἰ ἄλλοι ἀναγνωρίζουν πὸς ἀπαιτεῖται δεξιότης καὶ προσπάθεια.
  - Β Μοῦ ἀρέσει νὰ τηρῶ τὴν ἀλληλογραφία μου, τοὺς λογαριασμούς μου καὶ τὰ ἄλλα μου χαρτιὰ τακτοποιημένα καὶ ἀρχειοθετημένα σύμφωνα μὲ κάποιο σύστη-
- Α Μοῦ ἀρέσει νὰ ἐκφράζω αὐτὸ ποὺ σκέπτομαι γιὰ τὰ πράγματα.
  - Β Θέλω νὰ ἔχω ἔτσι τακτοποιημένη τὴ ζωή μου ὥστε νὰ κυλάη ὁμαλὰ καὶ δίχως πολλὲς ἀλλαγὲς στὰ σχέδιά μου.
- Α Μοῦ ἀρέσει νὰ μετέχω σὲ ὁμάδες ὅπου καθένας τρέφει θερμὰ καὶ φιλικὰ αἰσθήματα γιὰ τὸν ἄλλο.
  - Β Μοῦ ἀρέσει νὰ ὀργανώνω καὶ νὰ σχεδιάζω τὴν ἐργασία μου πρὶν τὴν ἀρχίσω.

- B I like to do things with my friends rather than by myself.
- A I like to be successful in things undertaken.
   B When serving on a committee, I like to be appointed or elected chairman.
- A Any written work that I do I like to have precise, neat, and well organized.
  - B I like to argue for my point of view when it is attacked by others.
- A I like to avoid responsibilities and obligations.
   B I like to be one of the leaders in the organizations and groups to which I belong.
- 24. A I like to do things for my friends.
  - B I like to supervise and to direct the actions of other people whenever I can.
- 25. A I like to move about the country and to live in different
  - B I like to be one of the leaders in the organizations and groups to which I belong.
- A I would like to accomplish something of great significance.
   B I like to experience novelty and change in my daily routine.
- 27. A l like to have my meals organized and a definite time set aside for eating.
  - B I like to do new and different things.
- 28. A I like to be able to come and go as I want to. B I like to travel and see the country.
- A I like to form new friendships.
   B I like to eat in new and strange restaurants.
- A When serving on a committee, I like to be appointed or elected chairman.
   B I like to participate in new fads and fashions.
  - b i like to participate in new rads and rasmons.
- 31. A I like to have my life so arranged that it runs smoothly and without much change in my plans.
  B I like to be able to do things better than other people can.
- 32. A I like to be independent of others in deciding what I want
  - to do.
    B I like to do my very best in whatever I undertake.
- A I like to share things with my friends.
   B I would like to be a recognized authority in some job.
- 34. A l like to be regarded by others as a leader.

  B I would like to write a great novel or play.
- 35. A I like to meet new people.
  - B I like to solve puzzles and problems that other people have difficulty with.
- A l like to accomplish tasks that others recognize as requiring skill and effort.
  - B I like to keep my letters, bills, and other papers neatly arranged and filed according to some system.
- 37. A I like to say what I think about things. B I like to have my life so arranged that it runs smoothly and without much change in my plans.
- A I like to participate in groups in which the members have warm and friendly feelings toward one another.
  - B I like to have my work organized and planned before beginning it.

- 39. Α "Όταν βρίσκωμαι μὲ μιὰ όμάδα ὰνθρώπων, θέλω νὰ παίρνω έγω τὶς ἀποφάσεις σχετικὰ μὲ τὸ τί πρόκειται
  - Β Θέλω νὰ σχεδιάζω καὶ νὰ ὀργανώνω τὶς λεπτομέρειες κάθε ἔργου ποὺ πρόκειται νὰ ἀναλάβω.
- 40. Α Μοῦ ἀρέσει νὰ πειραματίζωμαι καὶ νὰ δοκιμάζω καινούργια πράγματα.
  - Β Μοῦ ἀρέσει νὰ κάνω πρῶτα ἕνα σχέδιο προκειμένου νὰ καταπιαστῶ μὲ κάτι δύσκολο.
- 41. Α Θέλω νὰ εἴμαι σὲ θέση νὰ πῶ ὅτι ἔχω φέρει εἰς πέρας μὲ ἐπιτυχία ἕνα δύσκολο ἔργο.
  - Β Μοῦ ἀρέσει νὰ κριτικάρω ἄτομα ποὺ κατέχουν θέσεις καὶ ἀξιώματα.
- 42. Α Μοῦ ἀρέσει νὰ τηρῶ τὴν ἀλληλογραφία μου, τοὺς λογαριασμούς μου καὶ τὰ ἄλλα μου χαρτιὰ τακτοποιημένα καὶ ἀρχειοθετημένα σύμφωνα μὲ κάποιο σύστημα.
  - Β Μοῦ ἀρέσει νὰ κάνω πράγματα ποὺ ἄλλοι θεωροῦν ριζοσπαστικά.
- 43. Α Θέλω νὰ ἐξυπηρετῶ τοὺς φίλους μου.
  - Β Θέλω νὰ είμαι ἀνεξάρτητος ὅταν ἀποφασίζω τί θέλω νὰ κάνω.
- 44. Α "Όταν μετέχω σὲ μιὰ ἐπιτροπή, θέλω νὰ μὲ διορίζουν ἢ νὰ μὲ ἐκλέγουν πρόεδρο.
  - Β Μοῦ ἀρέσει νὰ ἐκφράζω αὐτὸ ποὺ σκέπτομαι γιὰ τὰ πράγματα.
- 45. Α Μοῦ ἀρέσει νὰ ἔχω νέες ἐμπειρίες καὶ ἀλλαγὲς στὴν καθημερινή μου ρουτίνα.
- Β Θέλω νὰ ἀποφεύγω καταστάσεις στὶς ὁποῖες ἀναμένεται νὰ ἐνεργῶ κατὰ συμβατικὸ τρόπο.
- 46. Α Μοῦ ἀρέσει νὰ είμαι σὲ θέση νὰ κάνω κάτι καλλίτερα άπό τους άλλους. Β Θέλω νὰ ἔχω στενούς δεσμούς μὲ τους φίλους μου.
- 47. Α Μοῦ ἀρέσει νὰ προγραμματίζω τὰ ταξίδια μου.
- Μοῦ ἀρέσει νὰ γράφω γράμματα στούς φίλους μου. 48. Α Μοῦ ἀρέσει νὰ κριτικάρω ἄτομα ποὺ κατέχουν θέσεις
- καὶ ἀξιώματα. Β Θέλω νὰ μοιράζωμαι πράγματα μὲ τοὺς φίλους μου.
- 49. Α Θέλω νὰ ὑποστηρίζω μὲ ἐπιχειρήματα τὴν ἄποψή μου **ὅταν ἄλλοι τὴν ἀντικρούουν.**
- Β Θέλω νὰ μοιράζωμαι πράγματα μὲ τοὺς φίλους μου. 50. Α Μοῦ ἀρέσει νὰ καταπιάνωμαι μὲ νέα καὶ διαφορετικὰ πράγματα.
  - Β Μοῦ ἀρέσει νὰ μετέχω σὲ ὁμάδες ὅπου καθένας τρέφει θερμά καὶ φιλικά αἰσθήματα γιὰ τὸν ἄλλο.
- 51. Α Μοῦ ἀρέσει νὰ δίνω τὸν καλλίτερο έαυτό μου σὲ ὅ,τι ἀναλαμβάνω.
  - Β Μοῦ ἀρέσει νὰ λέω στοὺς ἄλλους πῶς νὰ κάνουν τὴ δουλειά τους.
- 52. Α Μοῦ ἀρέσει νὰ ἔχω ἔτσι τακτοποιημένη τὴ ζωή μου ώστε νὰ κυλάη όμαλὰ καὶ δίχως πολλὲς ἀλλαγὲς στὰ σγέδιά μου.
  - Β Μοῦ ἀρέσει νὰ μὲ καλοῦν νὰ διευθετήσω διαφορές πού ἔχουν ἄλλοι μεταξύ τους.
- 53. Α Μοῦ ἀρέσει νὰ κάνω πράγματα ποὺ ἄλλοι θεωροῦν ριζοσπαστικά.
  - Β Θέλω νὰ μὲ θεωροῦν οἱ ἄλλοι ἀρχηγό.
- 54. Α Θέλω νὰ ἔχω στενοὺς δεσμοὺς μὲ τοὺς φίλους μου. Β "Όταν βρίσκωμαι μὲ μιὰ όμάδα ἀνθρώπων, θέλω νὰ παίρνω έγὼ τὶς ἀποφάσεις σχετικὰ μὲ τὸ τί πρόκειται νὰ κάνουμε.
- 55. Α Μοῦ ἀρέσει νὰ ταξιδεύω.

μέρη.

- Β Θέλω νὰ μὲ θεωροῦν οἱ ἄλλοι ἀρχηγό.
- 56. Α Μοῦ ἀρέσει νὰ εἴμαι ἀνεγνωρισμένη αὐθεντία σὲ κάποιον τομέα.
  - Β Προτιμῶ νὰ δοκιμάζω διάφορες δραστηριότητες παρὰ νὰ ἀσχολοδμαι διαρκῶς μὲ τὰ ἴδια πράγματα.
- 57. Α Μοῦ ἀρέσει νὰ ὀργανώνω καὶ νὰ σχεδιάζω τὴν ἐργασία μου πρίν τὴν ἀρχίσω. Μοῦ ἀρέσει νὰ μετακινοῦμαι καὶ νὰ ζῶ σὲ διάφορα

- 39. A When with a group of people, I like to make the decisions about what we are going to do.
  - B I like to plan and organize the details of any work that I have to undertake.
- 40. A I like to experiment and to try new things.
  - B I like to make a plan before starting in to do something
- 41. A I like to be able to say that I have done a difficult job well. B I like to criticize people who are in a position of authority.
- 42. A I like to keep my letters, bills, and other papers neatly arranged and filed according to some system.
  - B I like to do things that other people regard as unconventional.
- 43. A I like to do things for my friends.
  - B I like to be independent of others in deciding what I want
- 44. A When serving on a committee, I like to be appointed or elected chairman.
  - B I like to say what I think about things.
- 45. A I like to experience novelty and change in my daily rou-
  - B I like to avoid situations where I am expected to do things in a conventional way.
- 46. A I like to be able to do things better than other people can. B I like to have strong attachments with my friends.
- 47. A If I have to take a trip, I like to have things planned in advance.
  - B I like to write letters to my friends.
- 48. A I like to criticize people who are in a position of authori-
  - B I like to share things with my friends.
- 49. A I like to argue for my point of view when it is attacked by others.
  - B I like to share things with my friends.
- 50. A I like to do new and different things. B I like to participate in groups in which the members have warm and friendly feelings toward one another.
- 51. A I like to do my best in whatever I undertake. B I like to tell other people how to do their jobs.
- 52. A I like to have my life so arranged that it runs smoothly
  - and without much change in my plans. B I like to be called upon to settle arguments and disputes between others.
- 53. A I like to do things that other people regard as unconventional.
  - B I like to be regarded by others as a leader.
- 54. A I like to have strong attachments with my friends. B When with a group of people, I like to make the decisions about what we are going to do.
- 55. A I like to travel and see the country.
  - B I like to be regarded by others as a leader.
- 56. A I would like to be a recognized authority in some job. B I like to try new and different jobs - rather than to continue doing the same old things.
- 57. A I like to have my work organized and planned before beginning it.
  - B I like to move about the country and to live in different places.

- Α Θέλω νὰ εἴμαι ἀνεξάρτητος ὅταν ὰποφασίζω τί θέλω νὰ κάνω.
  - Β Μοῦ ἀρέσει νὰ κάνω νέες γνωριμίες.
- Α Μοῦ ἀρέσει νὰ γράφω γράμματα στοὺς φίλους μου.
   Β Μοῦ ἀρέσει νὰ πειραματίζωμαι καὶ νὰ δοκιμάζω καινούργια πράγματα.
- Α Μοῦ ἀρέσει νὰ λέω στοὺς ἄλλους πῶς νὰ κάνουν τὴ δουλειά τους.
  - Β Μοῦ ἀρέσει νὰ ἔχω νέες ἐμπειρίες καὶ ἀλλαγὲς στὴν καθημερινή μου ρουτίνα.
- 58. A I like to be independent of others in deciding what I want to do.
- B I like to meet new people.
- A I like to write letters to my friends.
   B I like to experiment and to try new things.
- A I like to tell other people how to do their jobs.
   B I like to experience novelty and change in my daily routine.

#### ΟΔΗΓΙΕΣ ΓΙΑ ΤΗ ΧΡΗΣΗ ΤΟΥ ΦΥΛΛΟΥ ΑΠΑΝΤΗΣΕΩΝ

- Μετρῆστε τὸν ἀριθμὸ τῶν ἀπαντήσεων «Α» ποὺ εἶναι μέσα σὲ κύκλο στὴν πρώτη σειρὰ καὶ γράψτε αὐτὸν τὸν ἀριθμὸ στὸ τέλος τῆς πρώτης σειρᾶς, στὴ θέση ποὺ ἔχει τὸν ἀριθμὸ (1).
- Μετρήστε τὸν ἀριθμὸ τῶν ἀπαντήσεων «Α» ποὺ εἶναι μέσα σὲ κύκλο στὴ δεύτερη σειρὰ καὶ γράψτε αὐτὸν τὸν ἀριθμὸ στὸ τέλος τῆς δεύτερης σειρᾶς, στὴ θέση ποὺ ἔχει τὸν ἀριθμὸ (2).
- Συνεχίστε τὴν καταχώριση τῆς βαθμολογίας μὲ τὸν ἴδιο τρόπο γιὰ κάθε μία ἀπὸ τὶς 12 σειρές.
- Μετρῆστε τὸν ἀριθμὸ τῶν ἀπαντήσεων «Β» ποὺ είναι μέσα
  σὲ κύκλο στὴν πρώτη στήλη καὶ γράψτε αὐτὸν τὸν ἀριθμὸ στὸ τετραγωνάκι στὸ κάτω μέρος τῆς πρώτης στήλης.
   Μετρῆστε τὸν ἀριθμὸ τῶν ἀπαντήσεων «Β» ποὺ είναι μέσα
- Μετρήστε τον αρισμό των ωπαντήσεων «Β» που είναι μέσα σὲ κύκλο στὴ δεύτερη στήλη καὶ γράψτε αὐτὸν τὸν ἀριθμό στὸ τετραγωνάκι ποὺ είναι στὸ κάτω μέρος τῆς δεύτερης στήλης.
- Συνεχίστε τὴν καταχώριση τῆς βαθμολογίας μὲ τὸν ἴδιο τρόπο καὶ γιὰ τὶς ὑπόλοιπες στῆλες.
- Μεταφέρατε τὴ βαθμολογία τῆς πρώτης σειρᾶς (1) στὸν χῶρο ποὺ ὑπάρχει στὸ κάτω μέρος τῆς πρώτης στήλης.
- Μεταφέρατε τη βαθμολογία τῆς δεύτερης σειρᾶς στὸν χῶρο ποὺ ὑπάρχει στὸ κάτω μέρος τῆς δεύτερης στήλης.
- Συνεχίστε αὐτὴν τὴ μεταφορὰ μέχρις ὅτου ἡ βαθμολογία καὶ τῶν 12 σειρῶν καταχωρισθῆ στὶς ἀντίστοιχες θέσεις στὸ κάτω μέρος τοῦ φύλλου ἀπαντήσεων.
- Προσθέστε τη βαθμολογία που βρίσκεται στὸ τετραγωνάκι τῆς πρώτης στήλης μὲ τίς βαθμολογίες τῶν δύο σειρῶν που είναι ἀκριβῶς κάτω ἀπὸ τὸ τετραγωνάκι καὶ γράψτε τὸ σύνολο αὐτὸ μέσα στὸν κύκλο.
  - Έπὶ παραδείγματι, ή συνολική βαθμολογία γιὰ τὸ ἐπίτευγμα (achievement) ὑπολογίζεται ἄν στή βαθμολογία ποὺ είναι στὸ τετραγωνάκι τῆς πρώτης στήλης προστεθή ή βαθμολογία τῆς σειρᾶς (1) καὶ τῆς σειρᾶς (7). Ἡ συνολική βαθμολογία «τάξεως» (order) είναι τὸ ἄθροισμα τῆς βαθμολογίας τῆς σειρᾶς (2) καὶ τῆς σειρᾶς (8) μὲ τὴ βαθμολογία ποὺ είναι στὸ τετραγωνάκι τῆς δεύτερης στήλης.
- 11. Γιὰ νὰ εἴσθε βέβαιοι ὅτι οἱ ὰθροίσεις σας εἴναι σωστὲς θὰ πρέπει τὸ ἄθροισμα τῶν ἔξι «κύκλων» νὰ εἰναι ἴσο μὲ 60—μὲ τὴν προϋπόθεση βέβαια ὅτι ἔχει δοθἢ ἀπάντηση σὲ ὅλες τἰς ἐρωτήσεις.

#### INSTRUCTIONS FOR USE OF THE ANSWER SHEET

- Count the number of «A» answers which are circled in the first row and enter this number in the blank at the end of the first row. This blank is labeled (1).
- Count the number of «A» answers which are circled in the second row and enter this number in the blank at the end of the second row. This blank is labeled (2).
- 3. Repeat this scoring for each of the 12 rows.
- Count the number of «B» answers which are circled in the first column and enter this number in the «box» at the bottom of the first column.
- Count the number of «B» answers which are circled in the second column and enter this number in the «box» at the bottom of the second column.
- 6. Repeat this scoring for each of the six columns.
- Enter the number from the first row score (1) in the space provided at the bottom of the first column.
- Enter the number from the second row score (2) in the space provided at the bottom of the second column.
- Continue this transfer until all 12 row scores have been placed in the correct blanks at the bottom of the answer sheet.
- 10. Add together the column score (found in the box) to the two row scores directly beneath the box and enter this total in the circle. For example, the total achievement score (ach) is computed by adding together the number in the box beneath the first column with the number from row (1) and row (7). The total «order» score (ord) is a sum of the second box and the numbers from row (2) and row (8)
- 11. In order to provide a check on the addition, it should be noted that the sum of the six «circles» should equal 60 if all of the items were completed by the student.

