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I. Purpose of the Inventory

Not the least of the chronic problems confronting the Armed Forces is the serious disciplinary offender. Most frequently he is tried because of repeated absence offenses; other violations of military regulations, however, are not uncommon. At the present time, large numbers of offenders are confined at U. S. Naval Retraining Commands where, in addition to carrying out the punitive conditions of the court-martial sentences, the authorities attempt to rehabilitate the retrainees; specifically, to prepare them, if possible, for a return to duty. In half of such cases, however, the return is unsuccessful. The present report covers a small part of the research efforts of psychologists investigating methods with which the choice of probationers and techniques of retraining would be improved to provide a better outcome for the Navy and Marine Corps. The topic of this report is supplementary to these aims; it describes preliminary exploration of the feasibility of eliminating potential disciplinary offenders from the Armed Forces at the recruit level, before such individuals get into serious trouble. Important possibilities in this area have been indicated by recent work with paper-and-pencil personality inventories, especially in the studies using the Delinquency Potential Scale devised by Gough and Peterson.[1]

The problems connected with the use of psychometric screening of recruits for delinquency proneness are complex. Although the number of disciplinary offenders is large, it is but a small proportion of the personnel in the Armed Forces. A scale might provide percentagewise few false positives--in this case, non-delinquent individuals whose test behavior was typically delinquent--but the ratio of offenders to non-confined is so small that many more useful than useless

1. See lower page 2.

men might be rejected if the test were employed for eliminating the potentially delinquent recruit. In addition, the choice of cutting scores depends on the manpower requirements of the nation and the cost of military delinquency factors which change rapidly with the domestic and international complications of the day. The only position feasible for the psychologist is to maximize the separation between groups, hoping that it will prove great enough to make the test useful. In the present instance, it is believed that an instrument for selection has been achieved which discriminates between confined and non-confined groups well enough to justify a large scale follow-up on incoming personnel. We are now proceeding with the collection of test data on 20,000 Navy recruits. Analysis of the service records of these men will permit in time a final statement of the usefulness of our inventory. This report, however, deals only with the preliminaries which led to the development of the instrument being validated on the recruit sample.

"An Inventory of Personal Opinions," or IPO, is a personality questionaire designed to uncover individual susceptibility toward delinquent behavior in the military service. The inventory contains two scales. One of these, the Infrequency or IN-scale, guards against tests invalidated by careless reading and improper test-taking attitudes. The other, the Delinquency or D-scale, is designed to maximize the psychometric separation of confined from non-confined Navy and Marine Corps personnel. The data in this report are based on the comparative test performance of Navy and Marine Corps enlisted men serving sentences in Naval Retraining Commands and of enlisted men from various duty stations in these branches of the Armed Forces.

Most retrainees serving court-martial sentences in Retraining Commands were confined because of absence offenses. The D-scale, for this reason, must

1 Gough, H. G., and Peterson, D. R. The identification and measurement of predispositional factors in crime and delinquency. J. Consulting Psychol., 1952, 16, 207-212.

be considered to be oriented primarily toward detecting such individuals. No breakdown of offenses, however, was utilized in developing the scale.

The inventory has been employed in several versions, each shorted than the preceding. For the sake of simple exposition, these forms will be taken up in turn, preserving the temporal order of their use. In every case the shortening of a particular version has resulted from the elimination of the non-discriminating items of the preceding form. The IN-scale, however, has remained the same on each version of the inventory.

All items are answered either "true" or "false." Most of them have appeared in other personality inventories. The new material is similar in content and structure to the remainder of the inventory. The work described in this report was begun in the Summer of 1952 and has continued without interruption to the present.

II. The Infrequency Scale

The IN-scale consists of 24 of the 28 items appearing in the Infrequency scale of the California Psychological Inventory.[1] These are such that the great majority of individuals answer in the same way. Sample items are:

"There are times when I have been discouraged." (False)
"I could be perfectly happy without a single friend." (true)
"I cannot do anything well." (true)
"If I saw some children hurting another child, I am sure I would try to make them stop." (false)

The scoring is arranged so that most subjects obtain low scores; on the present 24-item scale the typical individual gets scores of two or three, while scores of eight or more are relatively unusual. Observation of the performance of a

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1 Gough, H. G. The California Psychological Inventory. Berkeley: University of California Press, 1951.

non-motivated group of retrainees (individuals about to receive Bad Conduct or Dishonorable Discharges) has led us to question the validity of scores when IN is greater than seven.

A simple rationale supports this belief. If subjects marked items at rando the distributi n of In -scores would have an average of 12, with a standard devia tion of approximately 2.5. In this distributi n a score of eight comes within the usually accepted bounds of chance (probability greater than .05); such is not the case with a score of seven or less. A score of eight, in addition, ordinarily will be at least two standard deviations above the empirical means of most samples. For this reason, therefore, when IN scores are less than eight confidence may be expressed that the inventory has been read properly and that the items have not been randomly answered. No such confidence holds when IN scores are eight or more. On this basis, all answer sheets with IN-scores greater than seven were not used in our compilations, except as noted in specific instances.

Such scores, other things being equal, seem to reflect chance rather than personality structure, but there are complications to this view. A few retrainees with high IN scores obtain D scores so high that the random-answering hypothesis must be rejected. This pattern is even more rare in non-confined samples, consequently at present there are not enough of these inventories to merit analysis. Additional information bearing on this questi n, however, is presented in connection with the faking study described in Section VII.

III. The Delinquency Scale: Collection of the Item Pool

The initial search for discriminating items in the main utilized the ifornia Psychological Inventory. There are 474 items in this instrument, 200 of them coming from the Minnesota Multiphasic Personality Inventory.[1] performance of confined and non-confined personnel on the various scales of CPI is shown in Appendix I. The confined group was made up of 92 retrainees the Mare Island Retraining Command, while the comparison groups consisted of Treasure Island sailors, 45 Marines, and 47 New London sailors who were didates for submarine training. These samples were similar in age and service ing, but all submarine candidates were above average on the General Classifi- ion Test.

In order to improve the separation obtained by use of the CPI scales, we ertook an item analysis of its Delinquency Potential and Social Responsibility les and, in addition, all individuals items in the CPI which members of the earch team independently selected as having potential discriminating power. It hoped that this procedure would reduce the possibility of contaminating the m pool with items which descriminated only because of chance factors. A total 325 out of the 474 CPI items were studied. One hundred and sixty of these gave mise of being useful.[2]

itional material was available from the Minnesota Multiphasic Personality ventories of 87 retrainees, 38 Marines, 35 Submarine candidates, and 41 Sailors[3] y items which appeared promising to the research staff were analyzed, some 44 ell. (Because of the item overlap between the MMPI and the

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Hathaway, S. R., and McKinley, J. C. Booklet for the Minnesota Multiphasic personality Inventory. New York: Psychol. Corp., Copyright 1943.

Some 107 of these items were used as a preliminary measure to get an approxi- ion of the separation which might optimally be obtained between our groups. score which eliminated 50% of the retrainees eliminated 6% of the others. A ple of 65 additional retarinees gave scores which slipped moderately, the score ch eliminated 50% of the retrainees eliminated 13% of our comparison groups.

Tests with raw F scores of 16 or more were not used.

CPI, there were data already available on the discriminating power of many additional MMPI ITEMS.) Of these analyzed, however, 11 were found to separate offenders from non-confined individuals.

Following these analyses, members of the research staff wrote 60 new items which were included in the pool. Some of these enlarged on trends apparent in the items previously selected, others were based on hypotheses about the delinquent character structure, while still others sprung from everyday experience with the attitudes of military delinquents.

The grand total of 231 Delinquency items, together with the 24 In items, was made up into a booklet titled, in hope of disguising the aim of the test, "An Inventory of Personal Opinions."

Some 82 of the 160 CPI items had been shown to stand up well by crossvalidation on 65 additional retrainees (cf. footnote 1). These items were placed first in the test booklet with the 24 IN items scattered randomly among them. The remainder of the CPI items, the items from the MMPI, and the items devised by the research staff completed the inventory. A copy of this first version of the IPO will be found in Appendix II.

IV. The 225-item Version of the Inventory

The initial version of the inventory was given to 423 retrainees at the Mare Island Retraining Command, 232 recruits at the Naval Training Station, San Diego, and 198 recruits at the Marine Corps Training Station, San Diego. These figures represent tests with IN scores of 7 or less. Only one individual was eliminated from the non-confined groups, while approximately 6% of the retrainee group were not included because of high IN scores.

The first 82 items from the Dy-scale, and all tests were scored for it. Table I shows the cumulative percentage frequencies for each of the three groups

on this measure. It is apparent that the 82-item scale clearly separates confined from the non-confined personnel.

The non-confined groups were tested en masse, while the retrainees were tested in groups of approximately 40. Some time after these test were given, results were made available for a sample of 192 retrainees from the Portsmouth Naval Retraining Command. Data on this group is included in Table I. It will be seen that the Portsmouth sample does not score as high as Mare Island group, but not enough information is at present on hand to dertermine the cause of this discrepancy. The performance of the Portsmouth group on the D1-scale, however, is clearly delinquently.

The remaining149 items on the IPO were subjected to an item analysis,using 176 of the retrainees and 132 of the Naval recruits. As a result of this analysis, an additional 63 items were added to the 82 already scored. These 145 items form the first version of the D-scale. The new scale then was first cross-validated on the remaining members of the comparision groups. Table II gives the comulative percentage frequencies of the groups on the D-scale, none of these individuals being used in theitem analysis.

Data on the Portsmouth sample are not included in Table II because of a large number of inventories were incomplete. Score based only on completed inventories, however, indicate about the same degree of similarity for the Portsmouth and Mare Island groups as held on the D-scale.

The separation of the confined from the non-confined personnel by use of the Dscale is impressive. A score which would cause the rejection of 51% of the retrainees would eliminate only 4% of the Naval and 10% of the Marine Corps Recruits. The differences in percentages at each scoring level are great,making it possible to vary cutting scores with considerable freedom when the false-positive rate is of greater or lesser importance.

Good as the 145 item D scale appeared,it was proabable that further refinement might improve upon its usefullness.The delinquent answers to some

70% of the items were "true". Furthermore, a recheck of the item-analysis data indicated that a few items had been incorrectly included in the D-scale. It was decided, therefore, to attempt to reverse the meaning of items which appeared amenable to such treatment, and to eliminate the useless items then included on the D-scale. A revised 152 item version of the IPO was drawn up which embodied these changes, 31 items being rewritten.

V. The 152-item Version of the Inventory.

This second version of the IPO contained the usual 24 IN items and a 127-item D-scale. One item appeared in both normal and revised form, while a non-discriminating item was included by error. Only the former was scored. A copy of this form of the inventory appears as Appendix III.

The inventory was given to 243 retrainees at Camp Elliott and to 219 recruits at the Naval Training Command, both in San Diego, California. (The Camp Elliott Retraining Command came into existence by removal from Mare Island) Testing conditions, therefore, were similar to those encountered previously.

The data presented in Table III demonstrates the discriminating power of the D-scale in its revised form. The seperation of confined and non-confined personel is accomplished with approxamately the same degree of success as was achieved with the longer scale described in th preceding section. In effect, the rewriting of the items did not reduce the efficiency of the scale.

It was likely, nevertheless, that in some instances items lost discriminatory power by being revised. The 31 rewritten items were item-analyzed using tests of 221 retrainees and 161 recruits. The results demonstrated some 18 of the revised items elicited significantly more negativ responses from offenders than from normals; one item, in addition, was more effective in revised than in original form, although direction of answering remained the same.

Following the analysis of the 152 item inventory, a final pruning of the D-scale was undertaken, using all the previously accumulated material to guide

than from normals; one item, in addition, was more effective in revised than original form, although the direction of answering remained the same.

Following the analysis of the 152- item inventory, a final pruning of the D-scale was undertaken, using all the previous accumulated material to guide the selection and rejection of items. One item, for example, which had unwittingly been omitted from the 152-item version, was clearly of value. The result of this editing was the final 143-item final version of the IPC, containing as usual the 24-item IN-scale, and a 119-item D-scale. This form of the inventory is included as Appendix IV.

VI. The 143-item Final Version of the Inventory

The final version of the inventory exists in the forms having identical content but differing in respect to the placement of certain items. When the first form had been given to groups of the retrainees and recruits, it was discovered that almost all the items on the last page would be answered "true" by the "ideal" delinquent. For this reason, a number of "false" items were placed on this last page on a second form of the test. No particular differences have as yet been noted between responses to these two forms of the inventory.

The first form was administered to 83 retrainees and 222 recruits, at Camp Elliott and the Naval Training Station, San Diego, respectively. The results are shown in Table IV, and again they indicate efficient separation of confined from non-confined personnel. The final form has been administered to 541 retrainees at Camp Elliott and to 1976 recruits at the Naval Training Station. Table V gives the comparative data on these samples.

VLL. The Effect of "Faking" on the Inventory

The ideal psychometric instrument for recruit screening would be one which permitted the conscious intentions of the subject no role in determining his test score. A scale which lent itself to "faking-bad", i.e., to intentionally raising scores on scales diagnostic of pathology, could be utilized by the unscrupulous to avoid military service. Similarly, it might be expected that some retrainees facing a return to duty after completion of there sentence would attempt to secure discharges from the Armed Forces by giving the impression of psychological unfitness for military responsibility.

Individuals who, contrary to those described above, wished to conceal their psychological disabilities, might attempt to "fake-good", i.e., to consciously lower their scores on diagnostic scales by presenting themselves in the most favorable light. In a Retraining Command such persons would be found among those destined to receive punitive discharges upon completion of sentences, but who seek to secure probation by exaggerating their personal merit at every opportunity.

Both possibilities should be minimized in a test which is to be used for screening purposes. In order to obtain some indication of the susceptibility of the IPO to faking, we have carried out a number of studies with recruit and retrainees samples using the final form of the inventory. The IPO had been administered to these subjects several weeks before the faking studies were undertaken. Thes subjects were asked, in effect, either to complete the inventory as if they were trying to make themselves look psychologically good, or try to make themselves look psychologically bad. First, let us consider the effects of distortion upon the IN scores, since this scale is included in the inventory to guard against improper test-taking attitudes.

A sample of 54 recruits and a sample of 44, 38, and 31 retrainees were asked to "fake-bad", i.e., to try to make themselves look unfit for service. Seventy-two percent of the recruit tests and 36, 63, and 97 percent, respectively, of the retrainees tests had IN scores greater than seven.

Samples of 55 recruits and 34 retrainees were asked to "fake-good." Four percent of the recruits and 62 and three per cent of the retrainees obtained IN scores greater than seven. It is clear from these data that great variability in IN scores occurs in samples from the same population, probably because of variations in Psychologist setting of the task.

These findings may be tentatively summerized as indicating the usefulness of the IN scale as one guard against faking on the inventory. Under conditions as yet undefined, retrainees have difficu lty in giving a false good impression without seriously disturbing their IN scores. Recruits, however, do not show this tendency, and it does not necessarily occur in all the retrainees samples.

"Faking-bad" seems particularly susceptible to detection with the IN scale, especially with the recruit group. Although the retrainee percentage of high IN vary widely from sample to sample, it seems safe to say that a large proportion of "fake-bad tests would be eliminated through the use of the IN scale.

The data presented indicate that the "good"man has trouble "faking-bad," while the "bad" man may have difficulty "faking-good." These are exactly the possibilities of most concern to us.

Next to be considered are the results of faking on the D-scale. Only those tests with acceptible INscores will be discussed. In the "fake-good" samples, the 53 recruits with normal IN had a median D-score of 28, while the medians for the sub-samples of 22 and 33 retrainees were 55 and 59, respectively. A glance at Table V reveals that those retrainee results differ little from what is usually obtained with the D-scale. It is clear that delinquents cannot "fake-good",

when tests showing abnormally high IN scores are excluded from consideration. Recruits, however, have some ability to present a more favorable picture of themselves.

"Faking-bad, it has been shown, results in a large percentage of high IN scores; consequently, conclusions about the effects of faking on the D-scale based on tests with acceptible INscores must be cautious because of the smallness of the sub-groups. Previous conclusions regarding "faking-bad", however, are supported by the data we do have. There were15 normal INscores out of the 54 recruit tests "faked-bad," the median Dscore for this sub-sample is 45. Although this score is above that characteristic of recruits, it is considerably short of the retrainees median on this scale. Out of the total 54 recruit tests, in fact, only approximately 10% had normal IN with D above the usual retrainee medi

Twenty-eight of the sample of 44, 15 of the sample of 54, and one of the sample of 31 retrainees "faking-bad had INscores falling into the acceptible range. The first two sub-samples had median Dscores of 57 and 68, with the last individual obtaining a Dscore of 84. It would appear that a group "faking-bad" without producing to many invalid tests will score as a typical retrainee sample groups which are able to raise the median Dscores of tests with acceptible IN, do so at the cost of increasing markedly the proportion of invalid tests.

The conclusions drawn from consideration of the IN scale, therefore, are supprted in general by these findings regarding the Dscores of faked tests with acceptible IN scores. It seems reasonably clear from this analysis that the IPU is a restraint to deliberate faking.

A by product of the faking study relates to the question raised earlier at the conclusion of Section II- the brief dsicussion of relatively rare combination of high IN and high D-scores. Combinations of this kind, however, turn out

to be common in the "fake-bad" samples. We offer the hypothesis, therefore, that such tests indicate subjects are attempting to present the worse possible picture of themselves, i.e., as individuals unfit for military service. A test pattern with IN greater than seven and D greater than 71 should be considered most probably the result of such deliberate distortion, the latter score being two standard deviations above the chance mean which random answering would give on the D scale.

VIII. The Reliability of the Delinquency Scale

That the D-scale is reliable may be inferred from its consistent ability to separate confined from non-confined personnel. Direct confirmation, however, is provided by the split-half reliability co-efficients shown in Table VI. These data apply to the 127-item D-scale appearing on the 152-item version of the inventory.

The co-efficients are comparable to those found with most accepted personality tests and are sufficiently high for our purposes. Similar results were obtained from scores on the last form of the 143-item version of the inventory- the D-scale on this version contains 119 items.

The reliability co-efficients found with retrainee groups are consistently higher than those for non-confined samples. The most probable source of this difference is the fact that retrainees give a wider range of scores on the D-scale. (CF . Table VIII.)

IX. Discussion of Results

The preliminary outcomes reported in the previous sections of this paper are favorable to the final undertaking, the diagnosis of the offender before the offence. The inventory is now being routinely administered to incoming recruits, and the goal of 20,000 tests will soon be reached. Collection of delinquency data on this sample, of course, will take further time, and the analysis of this material will require even more. The content of the inventory, however, is of immediate interest, because of the cues it yields as to the personality structure of the military delinquent.

Many of the items on the D-scale fall into the four clusters used by Gough and Peterson[1] to describe their Delinquency Potential Scale:

"1. Role-taking deficiencies, insensitivity to interactional cues and the effects of one's own behavior on others."

2. Resentment against family, feelings of having been victimized and exploited in childhood."

3. Feelings of despondency and alienation, lack of confidence in self and others."

4. Poor scholastic adjustment, rebelliousness."[2]

Each of these categories is well represented in the IPO D-scale. Additional items, however, fall into clusters not listed above:

5. Denial of civil and military responsibilities.

6. Exploitation of women.

7. Rejection of long-term plans or relationships.

The wording of these categories describes the delinquent attitude as expressed in answers to the individual items. Perusal of the items themselves will, of

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[1] Op. cit.

[2] Ibid., p. 209.

course, add more flavor to the abstract quality of the descriptions.

In dealing with retrainees in informal, day-to-day situations, members of the research staff have been impressed by the agreement between the attitudes expressed on the inventory by many retrainees, and what might be inferred from behavior about their true opinions in these areas. After some experience with retrainees, it is not possible to avoid the feeling that they express their attitudes faithfully on the test; those, for example, who assent to test items proclaiming indifference to the opinions of others, behave as if indefferent--their answers do not appear merely the result of bravado. More intense interaction with retrainees, such as might occur in psychotherapy, often reveals contrary attitudes underlying, as it were, the manifest structure of the retrainee's opinions, but the latter, rather than temporary factors related to the testing situation, seem responsible for the delinquent pattern of response to the inventory.

To the extent that these observations are correct, the D-scale will predict delinquent behavior in the recruit sample. If they are erroneous, the separation obtained between confined and non-confined personnel on the test well may be a direct function of incarceration in itself. These personal impressions, however, tend to allay to a great extent our concern with this possibility. Equally reassuring is the fact that few of the items on the D-scale bear any easily perceived relationship to confinement as such. One item for example, "My sex life is unsatisfactory," has often been found to separate prisoners from others. It was not included in the IPO because obviously it might reflect a temporary disturbance resultion from the deprivation of normal sexual outlets enforced by confinement practices in this country.

A word should be said regarding the relationship of "intelligence" to the D-scale. It is clear from Navy and Marine Corps records that confined personnel average lower than non-confined on the General Classification Test.

For this reason, it might be expected that the D-scale scores of individuals with less general information (or general intelligence) should be higher than those of more gifted persons. The data we possess indicate such a relationship occurs, but it is an extremely small one. The correlation between GCT scores and D-scores on the 255-item version of the IPO, for example, was -.19 in a sample of 187 recruits. Other samples seem to have similar correlations, judging from inspection of their scatterplots. The separation between confined and nonconfined obtained with the General Classification Test, of course, does not begin to approach that achieved with the D-scale.

In our revision of the successive versions of the inventory much information has been collected regarding response frequencies of various samples to the individual items appearing on the D-scale. In the hope of making an unwieldly body of data less difficult of comprehension, this item-analysis material is presented only for those D-scale items appearing on the last form of the inventory. These data may be found in Appendix V. The source of the 143-items and their location on the several versions of the IPO are given in Appendix VI.

The material presented in Appendix V indicates that a few items now being used on the D-scale contribute little in the way of discrimination between confined and non-confined. Refinement of the scale, however, should from now on be guided by the results of the follow-up study of recruits. The large majority of the items, it is clear, have consistently fulfilled their purpose in the inventory. Further study will determine if their validity as "separators" is reflected in validity as "predictors."

Table VIII

Means, Standard Deviations, and Standard Errors of Means of D-scores on the 143-item Version of the IPO.

	Boots - 1972	Retrainees - 541
Mean	36.24	57.52
S. D.	10.590	15.798
S.E.M.	.238	.679

Because the interest in this investigation has been concentrated upon relative proportions of confined and non-confined personnel at each scoring level on the D-scale, the usual measures of central tendancy and variability have been omitted. Such data are presented in Table VIII for the version of most interest in future research.

Table I

Performance of Confined and Non-confined Personnel on the 82-item D_1-scale of the 255-item Version of the IPO

Score	Percentage Frequencies			
	283 Retrainees	192 Retrainees (Portsmouth)	198 Recruits (MC)	230 Recruits (Navy)
20 or more	97	99	80	74
25 " "	89	90	58	48
30 " "	80	74	39	26
35 " "	61	57	20	10
36 " "	55	54	16	8
37 " "	53	48	14	7
38 " "	51	46	12	5
39 " "	47	43	11	3
40 " "	45	38	10	3
41 " "	39	34	8	2
42 " "	37	30	6	2
43 " "	33	26	5	1
44 " "	31	22	4	1
45 " "	27	21	4	1
50 " "	17	12	1	1
60 " "	2	2	0	0

Table II

Performance of Confined and Non-confined Personnel on the 145-item D-scale of the 255-item Version of the IPO

Percentage Frequencies

Score	257 Retrainees	98 Recruits (Navy)	198 Recruits
30 Or more	99.6	93	94
35 " "	98	84	84
40 " "	96	68	75
45 " "	91	51	63
50 " "	84	38	52
55 " "	78	21	38
60 " "	67	9	27
61 " "	66	8	24
62 " "	65	6	22
63 " "	61	5	20
64 " "	59	4	18
65 " "	58	4	16
66 " "	56	4	13
67 " "	54	4	12
68 " "	51	4	11
69 " "	51	4	10
70 " "	49	4	9
75 " "	38	1	7
80 " "	31	1	4
90 " "	16	0	2
100 " "	5	0	0.5
110 " "	2	0	0

Table III

Performance of Confined and Non-confined Personnel on the 127-item D-scale of the 152-item Version of the IPO

Score	Percentage Frequencies	
	243 Retrainees	219 Recruits (Navy)
20 or more	100	99
25 " "	100	93
30 " "	98	79
35 " "	94	65
40 " "	88	51
45 " "	81	35
50 " "	76	24
55 " "	64	11
56 " "	63	8
57 " "	60	5
58 " "	59	5
59 " "	57	4
60 " "	54	4
61 " "	50	3
62 " "	47	3
63 " "	44	3
64 " "	42	3
65 " "	42	3
70 " "	32	1
75 " "	21	0

Table V

Performance of Confined and Non-confined Personnel on the 119 item D-scale of the 143-item IPO (last form).

Score	Percentage Frequencies 541 Retrainees	1976 Recruits (Navy)
30 or more	98	71
35 " "	93	53
40 " "	87	37
45 " "	78	23
50 " "	66	12
51 " "	65	10
52 " "	62	8
53 " "	59	7
54 " "	57	6
55 " "	55	5
56 " "	52	4
57 " "	50	4
58 " "	47	3
59 " "	46	3
60 " "	43	2
65 " "	34	1
70 " "	25	1
80 " "	9	0
90 " "	2	0

Table VI

Split-Half Reliability CO-efficients for the Delinquency Scale of the 152-item Version of the IPO

	200 Recruits		200 Retrainees	
Split-Half	r	r-corrected*	r	r-corrected
First-Last	.71	.83	.72	.84
Odd-Even	.67	.80	.83	.91

* By Spearman-Brown Formula

Table VII

Split-Half Reliability Co-efficients for the Delinquency Scale of the 143-item Version of the IPO

	500 Recruits		500 Retrainees	
Split-Half	r	r-corrected	r	r-corrected
First-Last	.70	.82	.78	.87
Odd-Even	.64	.78	.82	.90

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1. I enjoy social gatherings just to be with people.

2. I get nervous when I have to ask someone for a job.

3. If a person is clever enough to cheat someone out of a large sum of money, he ought to be allowed to keep it.

4. I often feel that I made a wrong choice in my occupation.

5. There are times when I have been discouraged.

6. A person who doesn't vote is not a good citizen.

7. I would not like the work of a building contractor.

8. I have had very peculiar and strange experiences.

9. I would never play cards (poker) with a stranger.

10. Most people would tell a lie if they could gain by it.

11. When someone does me wrong I feel I should pay him back if I can, just for the principle of the thing.

12. Every family owes it to the city to keep their sidewalks cleared in the winter and their lawn mowed in the summer.

13. A person is better off if he doesn't trust anyone.

14. I regard the right to speak my mind as very important.

15. Any job is all right with me, so long as it pays well.

16. I would do almost anything on a dare.

17. I must admit that people sometimes disappoint me.

18. My parents never really understood me.

19. Even if the pay were right, I would <u>not</u> want to travel with a circus or carnival.

20. At times I feel like picking a fist fight with someone.

21. A person should not be expected to do anything for his community unless he is paid for it.

22. I don't blame anyone for trying to grab all he can get in this world.

23. In school most teachers treated me fairly and honestly.

24. I never worry about my looks.

25. I often get excited or thrilled.

26. IF I AM DRIVING A CAR, I NEVER TRY TO KEEP OTHERS FROM PASSING ME.

27. I seldom have the wanderlust or feel the need to roam or travel about.

28. I do not mind taking orders and being told what to do.

29. I seldom act on the spur of the moment without stopping to think.

30. I always tried to make the best school grades that I could.

31. I have had more than my share of things to worry about.

32. I could be perfectly happy without a single friend.

33. It is easy for me to sympathize with someone who is always doubting and unsure about things.

34. In school my marks in deportment (conduct) were quite regualrly good.

35. Before I do something I try to consider how my freinds will react to it.

36. I usually try to do what is expected of me, and to avoid criticism.

37. When I am cornered I tell that portion of the truth which is not likely to hurt me.

38. I have never been in trouble with the law.

39. In school I was never sent to the principal for "cutting up."

40. I would rather be a steady and dependable worker than a brilliant but unstable one.

41. I must admit I find it very hard to work under strict rules and regulations.

42. I keep out of trouble at all costs.

43. Most people would be better off if they never went to school at all.

44. I find it hard to "drop" or "break with" a friend.

45. We ought to let Europe get out of its own mess; it made its bed, let it lie in it.

46. I never refuse to play a game because I am not good at it.

47. I almost never go to sleep.

48. Police cars should be specifially marked so that you can always see them coming.

49. I have seldom gone against my parents' wishes.

50. My parents wanted me to "make good" in the world.

51. If I get too much change in a store, I always give it back.

52. Most of the time I feel happy.

53. I have never done any heavy drinking.

54. There is something wrong with a person who can't take orders without getting angry or resentful.

55. Every citizen should take the time to find out about national affairs, even if it means giving up some personal pleasures.

56. A person does not need to worry about other people if only he looks out after himself.

57. It is impossible for an honest man to get ahead in the world.

58. My table manners are not quite as good at home as when I am out in company.

59. I seldom lose my temper.

60. I doubt if anyone is really happy.

61. I get pretty discouraged with the law when a smart lawyer gets a criminal free.

62. I have used alcohol excessively.

63. When I was going to school I practically never played hooky.

64. I often feel as though I have done something wrong or wicked.

65. It's no use worrying my head about public affairs; I can't do anything about them anyhow.

66. I used to steal sometimes when I was a youngster.

67. I know who is responsible for most of my troubles.

68. Most young people get too much education.

69. I really care whether people like me or dislike me.

70. We ought to worry about our own country and let the rest of the world take care of itself.

71. I would fight if someone tried to take my rights away.

72. I never wanted to run away from home.

73. As a youngster I was suspended from school one or more times for cutting up.

74. If I saw some children hurting another child, I am sure I would try to make them stop.

75. My way of doing things is apt to be misunderstood by others.

76. I have lived the right kind of life.

77. At times I have a strong urge to do something harmful or shocking.

78. At times I have been so entertained by the cleverness of a crook that I have hoped he would get by with it.

79. My home life was always very pleasant.

80. I would have been more successful if people had give me a fair chance.

81. I often think about how I look and what impression I am making on others.

82. We ought to pay our elected officials better than we do.

83. No one seems to understand me.

84. Sometimes I used to feel that I would like to leave home.

85. There have been times when I have been very angry.

86. As a youngster in school I seldom gave the teachers any trouble.

87. Criticism makes me very uncomfortable.

88. Only a fool would ever vote to increase his own taxes.

89. I go out of my way to meet trouble rather than try to escape it.

90. I must admit I am a pretty fair talker.

91. It makes me angry when I hear of someone who has been wrongly prevented from voting.

92. I am not known as a hard and steady worker.

93. I read at least ten books a year.

94. Women should not be allowed to drink in cocktail bars.

95. I cannot do anything well.

96. I am so touchy on some subjects that I can't talk about them.

97. If people had not had it in for me I would have been much more successful.

98. My speech is the same as always (not faster or slower, or slurring; no hoarseness).

99. I wish I were not so shy.

100. I have been inspired to a program of life based on duty which I have since carefully followed.

101. I have never been disappointed in love.

102. The average policeman is not strict enough about the law.

103. I'm proud of my ability to act quickly.

104. If you are nice to people, they step all over you.

105. I would never go out of my way to help another person if it meant giving up some personal pleasure.

106. National elections have a lot to do with how I get along.

107. There are only two kinds of women-the good and the bad.

108. Sometimes I think I'm too nice to some people.

109. When people dislike me, I figure it's worth while to try to change their opinion.

110. A guy who doesn't look out for himself first is a sucker.

111. The bad effects of marijuana and other drugs have been overemphasized.

112. When I feel blue, drinking won't cheer me up.

113. Women are always trying to get some man to take care of them.

114. "Easy come -easy go" that's my motto.

115. I never seem to get hungry.

116. It would embarrass me to have a girl tell me a dirty story.

117. I hate to walk in late and have everyone look at me.

118. If you can handle one woman, you can handle them all.

119. I would do anything if I got paid enough money for it.

120. I do not like to loan my things to people who are careless in the way they take care of them.

121. Some people exaggerate their troubles in order to get sympathy.

122. I don't get angry when a buddy tries to tell me what to do.

123. I would just as soon have a lot of friends than be very rich.

124. I miss my old friends when I leave a place.

125. Education is more important than most people think.

126. It makes me uneasy when someone does me a favor I didn't expect.

127. Too many close friends tie a person down.

128. I never cared much for school

129. I would like to wear expensive clothes.

130. My home as a child was less peaceful and quiet than those of most other people.

131. A person's obligations to the armed forces are greater than those to his family.

132. It is very important to me to have enough friends and social life.

133. My parents have seldom disapproved of my friends.

134. With things going as they are, it's pretty hard to keep up hope of amounting to something.

135. There are a few people who just cannot be trusted.

136. Most laws recognise people's needs.

137. Sometimes my conscience makes me do things that get me in trouble.

138. It is easy for me just to sit still and relax.

139. I would rather go without something than ask for a favor.

140. If I am not feeling well I am somewhat cross and grouchy.

141. There are certain people whom I dislike so much that I am inwardly pleased when they are catching it for something they have done.

142. When a man is with a woman he is usually thinking about things related to her sex.

143. When prices are high you can't blame a person for getting all he can while the getting is good.

144. I think few people would lie to get ahead.

145. Voting is nothing but a nuisance.

146. I must admit I feel sort of scared when I move to a strange place.

147. Sometimes I rather enjoy going against the rules and doing things I'm not supposed to.

148. I feel I have seldom been punished without cause.

149. I often do what ever makes me feel cheerful here and now, even at the cost of some distant goal.

150. It is all right to get around the law if you don't actually break it.

151. Maybe some minority groups do get rough treatment, but it's no business of mine.

152. I have had no more than my share of things to worry about.

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(Post)

1/25/54

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1. I enjoy social gatherings just to be with people.
2. I get nervous when I have to ask someone for a job.
3. If a person is clever enough to cheat someone out of a large sum of money, he ought to be allowed to keep it.
4. I often feel that I made a wrong choice in my occupation.
5. There are times when I have been discouraged.
6. A person who doesn't vote is not a good citizen.
7. I think I would like the work of a building contractor.
8. I have had very peculiar and strange experiences.
9. I would never play cards (poker) with a stranger.
10. Most people would tell a lie if they could gain by it.
11. I never cared much for school.
12. Life usually hands me a pretty raw deal.
13. A person is better off if he doesn't trust anyone.
14. I regard the right to speak my mind as very important.
15. Any job is all right with me, so long as it pays well.
16. I would do almost anything on a dare.
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19. Even if the pay were right, I would <u>not</u> want to travel with a circus or carnival.
20. A person should not be expected to do anything for his comunity unless he is paid for it.
21. I don't blame anyone for trying to grab all he can get in this world.
22. In school most teachers treated me fairly and honest.
23. I never worry about my looks.

24. I often get excited or thrilled.

25. If I am driving a car, I never try to keep others from passing me.

26. I have the wanderlust and am never happy unless I am roaming or traveling about.

27. I do not mind taking orders and being told what to do.

28. I seldom act on the spur of the moment without stopping to think.

29. I always tried to make the best school grades that I could.

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46. I almost never go to sleep.

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48. I have seldom gone against my parents wishes.

49. My parents wanted me to "make good" in the world.

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51. If I am not feeling well I am somewhat cross and grouchy.

52. I have never done any heavy drinking.

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61. I have used alcohol excessively.

62. When I was going toschool I practically never played hockey.

63. I often feel as though I have done something wrong or wicked.

64. It's no use worrying my head about public affairs; I can't do anything about them anyhow.

65. I used to steal sometimes when I was a youngster.

66. I know who is responsible for most of my troubles.

67. Most young people get too much education.

68. I really care whether people like me or dislike me.

69. We ought to worry about our own country and let the rest of the world take care of itself.

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121. I would like to wear expensive clothes.

122. My home as a child was less peaceful and quite than those of most people.

123. A persons obligations to the armed forces are greater than those to his family.

124. It is very important to me to have enough friends and social like.

125. My parents have often disapproved of my friends.

126. With things going as they are, it't pretty hard to keep up hope of ammounting to something.

127. There are a few people who just cannot be trusted.

128. Most laws don't recognize peoples needs.

129. Sometimes my conscience makes me do things that get me in trouble.

130. It is hard for me to just to sit still and relax.

131. I would rather go without something than ask for a favor.

132. Most of the time I feel happy.

133. There are certain people whom I dislike so much that I am inwardly pleased when they are catching it for something they have done.

134. When a man is with a woman he is usually thinking about things related to her sex.

135. When prices are high you can't blame a person for getting all he can while the getting is good.

136. Every citizen should take the time to find out about national affairs, even if it means giving up some personal pleasure.

137. Voting is nothing but a nuisance.

138. I must admit I feel sort of scared when I move to a strange place.

139. Sometimes I rather enjoy going against the rules and doing things I'm not supposed to.

140. I feel that I have often been punished without cause.

141. I often do whatever makes me feel cheerful here and now, even at the cost of some distant goal.

142. I have never been in trouble with the law.

143. Maybe some minority groups do get rough treatment, but it's no business of mine.

APPENDIX V

Response frequencies to the 119 items on the D-scale obtained with various confined and non-confined samples.

APPENDIX I

MEANS AND STANDARD DEVIATIONS OF RETRAINEE, TREASURE ISLAND, NEW LONDON, AND MARINE SAMPLES ON SCALES OF THE CALIFORNIA PSYCHOLOGICAL INVENTORY.

Scale	Retrainees (N= 92)		Treasure Is. (N= 54)		New London (N= 47)		Marines (N= 45)	
	Mean	S.D.	Mean	S.D.	Mean	S.D.	Mean	S.D.
IN	3.07	2.11	2.11	1.57	2.51	2.30	2.82	2.33
DS	10.11	6.02	9.19	5.59	7.68	4.99	11.44	5.89
GI	16.05	5.98	14.56	6.75	17.94	5.85	17.18	6.88
RE	22.09	6.05	26.02	6.52	28.68	4.84	23.91	5.51
TO	16.57	6.02	16.74	6.16	19.85	4.46	16.09	4.96
FL	8.10	3.35	7.70	2.87	7.96	3.36	7.82	3.41
ST	16.25	4.34	14.69	4.13	19.06	4.13	15.00	3.97
DO	22.28	6.23	21.54	5.91	28.04	5.40	22.49	4.37
SP	23.09	6.08	20.44	5.57	25.96	4.60	20.87	4.96
FE	14.75	3.58	16.46	3.59	15.09	2.73	16.18	2.62
DE	24.82	6.92	19.56	6.50	17.64	6.07	17.83	5.84
IE	34.16	6.60	33.30	6.62	38.15	4.66	32.62	5.78
AC	20.62	5.77	22.20	5.67	25.91	4.74	20.96	7.67
HR	14.14	4.26	14.81	4.33	16.74	4.03	13.96	4.29
PY	8.67	2.52	8.50	2.96	10.15	2.53	8.22	2.10
IP	5.74	1.60	5.83	1.52	6.28	1.47	5.58	1.44
NE	13.32	2.25	13.07	2.24	12.74	2.14	12.82	1.97
XI	35.33	6.66	32.59	6.72	36.55	5.15	32.62	5.84
X2	24.89	8.22	22.80	9.08	21.68	7.94	23.29	8.86

AN INVENTORY OF PERSONAL OPINIONS

Directions

The following pages contain a number of statements which are related to your opinions about the world in general and your feelings about yourself. There are no right or wrong answers. Your personal opinion is what is wanted.

Read each statement, decide how you feel about it, and mark your answer on the ANSWER SHEET you have been given. If you agree with the statement, or feel that it is true about you, mark it TRUE on the Answer Sheet. If you think that the statement is not true about you, or you disagree with it, mark it FALSE on the Answer Sheet.

Be sure to answer all the statements, even if you have to guess at some of them. Work straight through the statements. Don't spend too much time on any one statement.

1. I enjoy social gatherings just to be with people.

2. I get nervous when I have to ask someone for a job.

3. If a person is clever enough to cheat someone out of a large sum of money, he ought to be allowed to keep it.

4. I often feel that I made a wrong choice in my occupation.

5. There are times when I have been discouraged.

6. A person who doesn't vote is not a good citizen.

7. I think I would like the work of a building contractor.

8. I have had very peculiar and strange experiences.

9. I doubt whether I would make a good leader.

10. There are a few people who just cannot be trusted.

11. I would never play cards (poker) with a stranger.

12. I sometimes pretend to know more than I really do.

13. Most people would tell a lie if they could gain by it.

14. When someone does me a wrong I feel I should pay him back if I can, just for the principle of the thing.

15. Every family owes it to the city to keep their sidewalks cleared in the winter and their lawn mowed in the summer.

16. Voting is nothing but a nuisance.

17. A person is better off if he doesn't trust anyone.

18. I regard the right to speak my mind as very important.

19. Any job is all right with me, so long as it pays well.

20. I would do almost anything on a dare.

21. I must admit that people sometimes disappoint me.

22. The thought of being in an automobile accident is very frightening to me.

23. My parents never really understood me.

24. If the pay was right I would like to travel with a circus or carnival.

25. It is more important that a father be kind than that he be successful.

26. I think I would like to drive a racing car.

27. At times I feel like picking a fist fight with someone.

28. A person should not be expected to do anything for his community unless he is paid for it.

29. I don't blame anyone for trying to grab all he can get in this world.

30/ In school most teachers treated me fairly and honestly.

31. I never worry about my looks.

32. I hardly ever get excited or thrilled.

33. If I am driving a car, I try to keep others from passing me,

34. I have the wanderlust and am never happy unless I am roaming or traveling about.

35. I do not mind taking orders and being told what to do.

36. I often act on the spur of the moment without stopping to think.

37. I always tried to make the best school grades that I could.

38. I have had more than my share of things to worry about.

39. I could be perfectly happy without a single friend.

40. It is hard for me to sympathize with someone who is always doubting and unsure about things.

41. In school my marks in deportment (conduct) were quite regularly bad.

42. Before I do something I try to consider how my friends will react to it.

43. Education is more important than most people think.

44. I usually try to do what is expected of me, and to avoid criticism.

45. Sometimes at elections I vote for men about whom I know very little.

46. When I am cornered I tell that portion of the truth which is not likely to hurt me.

47. I have never been in trouble with the law.

48. In school I was sometimes sent to the principal for cutting up.

49. I would rather be a steady and dependable worker than a brilliant but unstable one.

50. I must admit I find it very hard to work under strict rules and regulations

51. I keep out of trouble at all costs.

52. Most people would be better off if they never went to school at all.

53. I find it easy to "drop" or "break with" a friend.

54. We ought to let Europe get out of its own mess; it made its bed, let it lie in it.

55. I never seem to get hungry.

56. I dread the thought of an earthquake.

57. I would never go out of my way to help another person if it meant giving up some personal pleasure.

58. I refuse to play some games because I am not good at them.

59. I almost never go to sleep.

60. Police cars should be especially marked so that you can always see them coming.

61. I have often gone against my parent's wishes.

62. I do not like to lean my things to people who are careless in the way they take care of them.

63. When a community makes a dicision, it is up to the person to help carry it out even if he had been against it.

64. As long as a person votes every four years, he has done his duty as a citizen.

65. I cannot do anything well.

66. People should not have to pay taxes for the schools if they do not have children.

67. My parents wanted me to "make good" in the world.

68. If I get too much change in a store I always give it back.

69. Most of the time I feel happy.

70. I have never done any heavy drinking.

71. There is something wrong with a person who can't take orders without getting angry or resentful.

72. Some people exaggerate their troubles in order to get sympathy.

73. Every citizen should take the time to find out about national affairs, even if it means giving up some personal pleasures.

74. It is impossible for an honest man to get ahead in the world.

75. A person does not need to worry about other people if only he looks out after himself.

76. My table manners are not quite as good at home as when I am out in company.

77. I often lose my temper.

78. I doubt if anyone is really happy.

79. I get pretty discouraged with the law when a smart lawyer gets a criminal free.

80. I have used alcohol excessively.

81. When I was going to school I played hookey quite often.

82. I often feel as though I have done something wrong or wicked.

83. It's no use worrying my head about public affairs; I can't do anything about them.

84. I used to steal sometimes when I was a youngster.

85. I know who is responsible for most of my troubles.

86. Most young people get too much education.

87. I don't really care whether people like me or dislike me.

88. We ought to worry about our own country and let the rest of the world take care of itself.

89. I would fight if someone tried to take my rights away.

90. I sometimes wanted to run away from home.

91. As a youngster I was suspended from school one or more times for cutting up.

92. There have been times when I have been very angry.

93. If I saw some children hurting another child, I am sure I would try to make them stop.

94. If I am not feeling well I am somewhat cross and grouchy.

95. My way of doing things is apt to be misunderstood by others.

96. I have not lived the right kind of life.

97. I have very few quarrels with members of my family.

98. At times I have a strong urge to do something harmful or shocking.

99. At times I have been so entertained by the cleverness of a crook that I have hoped he would get by with it.

100. My home life was always very pleasant.

101. I would have been more successful if people had given me a fair chance.

102. I fall in and out of love rather easily.

103. I often think about how I look and what impression I am making on others.

104. At times I think I am no good at all.

105. We ought to pay our elected officials better than we do.

106. No one seems to understand me.

107. I feel uneasy indoors.

108. I became quite irritated when I see someone spit on the sidewalk.

109. It is always a good thing to be frank.

110. Sometimes I used to feel that I would like to leave home.

111. I think I would like the work of a garage mechanic.

112. As a youngster in school I used to give the teachers lots of trouble.

113. Even when I have gotten into trouble I was usually trying to do the right thing.

114. I think I am stricter about right and wrong than most people.

115. I would like to wear expensive clothes.

116. Criticism or scolding makes me very uncomfortable.

117. Only a fool would ever vote to increase his own taxes.

118. I go out of my way to meet trouble rather than try to escape it.

119. I like to keep people guessing what I'm going to do next.

120. I like to go to parties and other affairs where there is lots of loud fun.

121. I must admit I am a pretty fair talker.

122. The man who provides temptation by leaving valuable property unprotected is about as much to blame for its theft as the one who steals it.

123. I have been afraid of things or people that I know could not hurt me.

124. At times I have been very anxious to get away from my family.

125. I have never done anything dangerous for the thrill of it.

126. I must admit that I often do as little work as I can get by with.

127. When I am feeling very happy and active, someone who is blue or low will spoil it.

128. It makes me angry when I hear of someone who has been wrongly prevented from voting.

129. I am known as a hard and steady worker.

130. I must admit that I enjoy playing practical jokes on people.

131. Sometimes I cross the street just to avoid meeting someone.

132. People who seem unsure and uncertain about things make me feel uncomfortable.

133. I am embarrassed by dirty stories.

134. I read at least ten books a year.

135. I would be willing to give money myself in order to right a wrong, even though I was not mixed up in it in the first place.

136. I daydream very little.

137. I often wish people would be more definite about things.

138. Women should not be allowed to drink in a cocktail bar.

139. Sometimes without any reason or even when things are going wrong I feel excitedly happy, "on top of the world".

140. In school I found it very hard to talk before the class.

141. I think I would like to belong to a motorcycle club.

142. I am so touchy on some subjects that I can't talk about them.

143. A person should try to understand his dreams and be guided by or take warning from them.

144. At times I have fits of laughing and crying that I cannot control.

145. If people had not had it in for me I would have been much more successful.

146. My speech is the same as always (not faster or slower, or slurring; no hoarseness).

147. I have had periods in which I carried on activities without knowing later what I have been doing.

148. I am against giving money to beggars.

149. I wish I were not so shy.

150. There is very little love and companionship in my family as compared to other homes.

151. I have been inspired to a program of life based on duty which I have since carefully followed.

152. I have been disappointed in love.

153. I have at times stood in the way of people who were trying to do something, not because it amounted to much but because of the principle of the thing.

154. I would like to try my hand at a lot of different jobs.

155. When someone gives you a bad time, the best thing to do is to stay away from him.

156. The average policeman is not strict enough about the law.

157. I'm proud of my ability to act quickly.

158. If you are nice to people, they step all over you.

159. I would like to be a champion weight lifter.

160. National elections have a lot to do with how I get along.

161. There are only two kinds of women—the good and the bad.

162. Sometimes I think I'm too nice to some people.

163. Most guys who brag about themselves aren't really very tough.

164. Our government would be better if more of us took an interest in it.

165. When the chips are down, most people can make out without help.

166. In civilian life I usually went to the movies more than once a week.

167. When people dislike me I don't figure it's worth while to try to change their opinion.

168. A guy who doesn't look out for himself first is a sucker.

169. I have never cared much for hot rods.

170. The bad effects of marijuana and other drugs have been overemphasized.

171. I have never felt guilty about things I have done.

172. When I meet a blowhard or braggart, I usually try to cut him down to size.

173. I like people who always take time "to think things over."

174. People who have it in for me go to great lengths to annoy me.

175. When I feel blue, drinking won't cheer me up.

176. At times I have thought that I might like to be a hermit.

177. There's no such thing as conscience; it's just a feeling of fear that people have.

178. I dislike a moocher more than I do a braggart.

179. If I feel like it, I generally can get people to do what I want.

180. People who are really close to one another will always want the same things, like the same things, and do the same things.

181. It's hard for me to postpone satisfying my desires.

182. I have accepted things I didn't really deserve or earn.

183. Most of my important decisions are based on hunches.

184. Women are always trying to get some man to take care of them.

185. "Easy come--easy go"--that's my motto.

186. I get a kick out of figuring people out.

187. I'd rather eat at home than in a resturant.

188. It would embarrass me to have a girl tell me a dirty story.

189. In restaurants I worry about how much to tip.

190. I would hate to ask a stranger for money if I was broke.

191. I feel upset when a traffic cop bawls me out for a minor violation.

192. I have the ability to keep cool in a tight spot.

193. When a girl friend tries to boss me around, I drop her.

194. I hate to walk in late and have every one look at me.

195. If you handle one woman, you can handle them all.

196. I would do anything if I got paid enough money for it.

197. It's easier to ignor people when they are wrong than to set them straight.

198. "Do-gooders," people who talk about helping others, usually have an angle they are working.

199. I get embarrassed when someone shortchanges me.

200. I get angry when a buddy tries to tell me what to do.

201. I would just as soon have a lot of friends than be very rich.

202. I seldom miss my old friends when I leave a place.

203. It makes me uneasy when someone does me a favor I didn't expect.

204. I try to avoid women who argue with me.

205. Too many close friends tie a persom down.

206. It's a good idea to avoid fights.

207. I never cared much for school.

208. Life usually hands me a pretty raw deal.

209. My home as a child was less peaceful and quite than those of most other people.

210. A person's obligations to family are greater than those to the Armed Forces

211. It is very important to me to have enough friends and social life.

212. I have been in trouble one or more times because of my sex behavior.

213. I seem to take more responsibilities on my shoulders than most people.

214. My parents have often disapproved of my friends.

215. I am somewhat afraid of the dark.

216. With things going as they are, it't pretty hard to keep up hope of amounting to something.

217. Most laws don't recognize people's needs.

218. Sometimes my conscience makes me do things that get me in trouble.

219. Regulations ought to be flexible enough to take care of individual problems.

220. My willingness to take on responsibility gets me in trouble.

221. I would rather have people dislike me than look down on me.

222. A strong person doesn't show his emotions and feelings.

223. I tend to be on my guard with people who are somewhat more friendly than I had expcted.

224. It is hard for me to start a conversation with strangers.

225. Sometimes I feel like smashing things.

226. I have sometimes stayed away from another person because I feared doing or saying something that I might regret afterwards.

227. When I get bored I like to stir up some excitement.

228. People often expect too much of me.

229. It is hard for me just to sit still and relax.

230. Even though I am sure I am in the right, I usually give in because it is foolish to cause trouble.

231. I must admit I have no great desire to learn new things.

232. I like to be with a crowd who plays jokes on one another.

233. A person should adapt his ideas and his behavior to the group that happens to be with him at the time.

234. I would rather go without something than ask for a favor.

235. When I meet a stranger I often think that he is better than I am.

236. I have often found people jealous of my good ideas, just because they had not thought of them first.

237. There are certain people whom I dislike so much that I am inwardly pleased when they are catching it for something they have done.

238. It is hard for me to find anything to talk about when I meet a new person.

239. I like to read about history.

240. The future is too uncertain for a person to make serious plans.

241. I like to talk before groups of people.

242. When a man is with a woman he is usually thinking about things related to her sex.

243. When prices are high you can't blame a person for getting all he can while the getting is good.

244. I think most people would lie to get ahead.

245. I must admit I feel sort of scared when I move to a strange place.

246. It is hard for me to act natural when I am with new people.

247. Sometimes I rather enjoy going against the rules and doing things I'm not supposed to.

248. I feel that I have often been punished without cause.

249. I believe women should have as much sexual freedom as men.

250. Planning one's activities in advance is very likely to take most of the fun out of life.

251. I often do what ever makes me feel cheerful here and now, even at the cost of some distant goal.

252. There are times when I act like a coward.

253. It is all right to get around the law if you don't actually break it.

254. Maybe some minority groups do get rough treatment, but it's no business of mine.

255. Most of the argument or quarrels I get into are over matters of principle.

APPENDIX VI

Source of the items and their location on the several versions of the inventory.

RESPONSES OF CONFINED AND NONCONFINED PERSONNEL TO FINAL D-SCALE ITEMS APPEARING ON VARIOUS INVENTORIES

Legend: 1 -- CPI 157 retrainees vs. 116 non-confined
2 -- IPO (255-item) 436 retrainees vs. 426 recruits
3 -- IPO (152-item) 221 retrainees vs. 161 recruits (revised items only)
4 -- IPO (first form-143 item) 83 retrainees vs. 219 recruits
5 -- IPO (last form-143 item) 458 retrainees vs. 500 recruits

Item numbers are those appearing on last form, 143-item version.
R indicates item revised for 3, 4, and 5.

Responses in terms of proportion answering "true."

	Confined					Non-confined				
Item#	1	2	3	4	5	1	2	3	4	5
1	.47	.50		.51	.63	.73	.79		.80	.74
2	.37	.33		.45	.35	.52	.44		.31	.32
3	.33	.31		.22	.26	.08	.05		.04	.03
4	.57	.53		.63	.57	.38	.24		.15	.11
6	.41	.43		.41	.40	.67	.65		.70	.67
7	.53	.49		.41	.41	.44	.38		.27	.28
8	.50	.48		.41	.62	.27	.23		.21	.16
9	.39	.33		.36	.36	.49	.67		.64	.61
10	.82	.85		.80	.81	.76	.72		.66	.64
11	___	.44		.54	.49	___	.32		.35	.27
12	.27	.23		.29	.28	.17	.13		.09	.06
13	.39	.33		.33	.31	.12	.16		.13	.12
14	.76	.80		.80	.81	.88	.86		.77	.76
15	.37	.38		.29	.34	.19	.12		.17	.19
16	.23	.18		.13	.16	.14	.05		.03	.04
18	.29	.25		.20	.25	.12	.11		.12	.07
19R	.33	.34	.50	.57	.56	.18	.17	.74	.79	.72
21	.71	.72		.67	.68	.54	.41		.40	.35
23	.37	.39		.23	.28	.17	.27		.12	.29
24R	.29	.30	.47	.50	.51R	.18	.19	.55	.51	.40
25R	.19	.13	.65	.69	.67R	.08	.06	.75	.86	.82
26	.44	.39		.34	.31	.31	.23		.19	.18
27	.50	.55		.59	.54	.63	.80		.94	.88
28R	.66	.70	.61	.51	.53R	.53	.56	.68	.73	.66
29	.56	.60		.45	.53	.48	.52		.50	.55
30	.48	.50		.44	.49	.32	.22		.20	.17
32R	.77	.68	.56	.48	.49	.68	.62	.27	.56	.48
33R	.41	.26	.73	.65	.71	.23	.09	.89	.86	.82
34	.61	.54		.58	.63	.72	.77		.79	.75
36	.76	.64		.67	.59	.56	.43		.39	.41

	Confined					Non-confined				
Item#	1	2	3	4	5	1	2	3	4	5
37	.78	.76		.34	.71	.74	.57		.53	.39
38	.65	.61	.35	.76	.22	.54	.48	.43	.35	.38
40	.60	.64		.26	.60	.43	.54		.35	.30
41	.33	.40		.67	.28	.53	.66		.69	.66
43R	.49	.37	.66	.22	.64	.27	.14	.85	.79	.77
44	.46	.44		.59	.39	.27	.24		.19	.19
45R	.56	.44	.60	.49	.54	.33	.34	.68	.63	.60
47	.68	.64		.57	.59	.56	.52		.36	.39
48R	.73	.73	.58	.61	.45	.61	.46	.76	.69	.67
50	.35	.35		.45	.41	.63	.68		.75	.68
51	.80	.81		.83	.80	.65	.71		.54	.58
52	.34	.40		.30	.35	.53	.77		.78	.82
53	.56	.64		.62	.59	.72	.73		.77	.78
54		.77		.60	.71		.51		.44	.44
55	.45	.42		.38	.46	.37	.26		.27	.34
57	.57	.52		.59	.56	.70	.68		.70	.61
58R	.51	.56	.57	.57	.55	.29	.30	.66	.79	.79
60	.45	.36		.31	.34	.58	.58		.56	.51
61	.59	.50		.54	.40	.32	.10		.11	.07
62R	.57	.51	.43	.40	.37	.37	.23	.69	.62	.60
63	.43	.39		.49	.53	.29	.26		.25	.21
64	.67	.57		.62	.58	.43	.28		.35	.30
65	.62	.65		.66	.64	.49	.45		.42	.35
66	.79	.78		.80	.77	.55	.46		.49	.47
68R	.46	.36	.76	.83	.72	.24	.13	.86	.86	.83
69	.50	.43		.43	.33	.26	.18		.17	.13
71R	.56	.50	.52	.48	.52	.45	.34	.62	.63	.67
72	.31	.33		.39	.31	.16	.15		.14	.08
74	.69	.71		.82	.72	.55	.56		.53	.47
75R	.52	.56	.42	.32	.37	.25	.31	.73	.67	.67
76	.40	.33		.41	.43	.26	.23		.17	.14
77	.61	.53		.47	.48	.48	.30		.19	.20
78	.35	.34		.29	.40	.20	.17		.15	.08
79	.33	.26		.29	.24	.87	.85		.88	.81
80	.14	.18		.18	.24	.25	.30		.32	.32
81	.26	.26		.26	.24	.12	.09		.07	.04
82	.60	.63		.58	.64	.64	.48		.55	.39
84T	.43	.35	.58	.58	.56	.36	.22	.73	.64	.64
86	.46	.47		.47	.46	.35	.25		.29	.27
86	.46	.49		.43	.45	.44	.41		.34	.36
87	.61	.56		.59	.65	.71	.71		.69	.87
88	.69	.76		.78	.77	.64	.64		.53	.58
89	.22	.18		.20	.20	.26	.37		.32	.35
91	.26	.39		.33	.37	.22	.25		.15	.16
92		.18		.14	.21		.08		.06	.05
93		.76		.60	.55		.57		.67	.67
94		.36		.36	.39		.47		.45	.41
95R		.52	.38	.26	.31		.39	.37	.53	.53
96		.32		.24	.36		.43		.39	.40
97		.33		.33	.29		.15		.12	.10

	Confined					Non-confined				
Item #	1	2	3	4	5	1	2	3	4	5
99	.	.31		.46	.49		.42		.56	.51
100		.57		.52	.52		.47		.49	.45
101		.55		.36	.51		.43		.32	.35
102R		.45	.72	.70	.66		.23	.23	.81	.78
103		.58		.42	.49		.37		.24	.26
104		.32		.36	.33		.17		.16	.17
105		.53		.48	.59		.76		.80	.78
106		.55		.42	.45		.38		.30	.29
107		.40		.40	.33		.17		.16	.16
109		.21		.20	.21		.38		.31	.30
[illegible]										
110		.59		.60	.57		.71		.64	.65
111		.69		.64	.66		.87		.88	.85
112		.20		.22	.16		.07		.05	.05
115		.27		.28	.31		.15		.16	.13
116		.30		.35	.24		.18		.16	.15
118		.51		.53	.50		.44		.42	.37
119		.40		.27	.33		.26		.26	.23
120	.52	.41		.45	.38	.30	.31		.20	.20
121		.74		.73	.77		.54		.47	.51
122	.30	.35		.30	.33	.24	.20		.26	.20
123R		.80	.19	.25	.19	.35	.48		.39	.35
124	.62	.63		.67	.72	.73	.78		.78	.70
125	.44	.44		.49	.50	.33	.28		.31	.26
126	.45	.45		.54	.49	.32	.24		.23	.20
128		.51		.40	.47		.25		.28	.28
129		.38		.56	.55		.22		.27	.19
130		.54		.52	.49		.42		.44	.36
131	.56	.55		.40	.48	.43	.39		.37	.38
132	.68	.70		.65	.70	.81	.84		.95	.85
133	.61	.57		.65	.54	.52	.43		.29	.33
134		.67		.63	.65		.46		.46	.37
135	.76	.74		.59	.70	.61	.52		.51	.45
136	.66	.81		.65	.76	.87	.91		.91	.86
138	.25	.28		.41	.44	.20	.42		.60	.05
139	.51	.45		.46	.43	.45	.25		.17	.17
140	.34	.44		.38	.43	.25	.29		.24	.22
141	.59	.55		.51	.60	.59	.43		.35	.38
142	.45	.53		.42	.39	.69	.74		.77	.75
143	.57	.62		.66	.59	.41	.48		.40	.42