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AN EXPLORATORY STUDY INTO THE COMMONALITIES OF THE LIFE SCRIPTS OF ADOLESCENT DELINQUENTS IN SELECTED INSTITUTIONS

A Thesis
Presented to the Faculty of the Graduate School University of the Pacific

In Partial Fulfillment of the Requirements for the Degree Master of Arts
by
David L. Brigham
May 1976

This thesis, written and submitted by
is approved for recommendation to the Committee on Graduate Studies, University of the Pacific.

Department Chairman or Dean:


Thesis Committee:


Dated
MAY 5, 1976

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I. THE PURPOSE, THE PROBLEM AND THE SIGNTFICANCE

For several years the researcher has been working with problem adolescents in a therapeutic setting. During this time certain behavioral patterns appeared repeatedly as characteristic of a certain type of personality. For example, the rebellious child's behavior became predictable in many situations.

Transactional analysis has been a useful tool for the researcher in categorizing these characteristics. Using it, he was able to recognize both commonalities and differences between types of problem adolescents. The purpose of this thesis is to examine the life.scripts of problem adolescents of selected institutions to determine what the commonalities are within and between the categories of injunctions, counterinjunctions, basic positions, rackets, games, decisions, programs of life course, and treatment contracts.

The purpose and problem are embodied in four basic questions:

1) Do commonalities exist in the categories of injunctions, counterinjunctions, basic positions, rackets, games, decisions, programs of life course and treatment contracts?
2) What are the most prevalent commonalities within each category? Example: What is the most common injunction?
3) What are the commonalities between categories? Example: What is the most common game when the injunction is "Don't get close?"
4) What are the commonalities among total life
scripts? Claude Steiner categorizes the alcoholic into three main types: "drunk proud," "lush," and "wino;"l is it possible to categorize adolescent delinquents into similar personality patterns?

The significance of the study is in providing institutions that use TA for rehabilitating adolescent delinquents with a better approach to the analysis of life scripts, and to more effective treatment. Statistical evidence from the Youth Center Research Project, ${ }^{2}$ a comparative study on TA and behavior modification within the California Youth Authority, indicated some very positive results with the use of TA, as did similar studies done at the Preston School of Industry. In both places a life script interview was one of the first procedures used with a ward entering the program. With the findings of the
${ }^{1}$ Claude Steiner, Ph.D., Games Alcoholics Play, (New York: Grove Press Inc., 1971), p. 71.
${ }^{2}$ C. F. Jesness, W. J. DeRisi, p. McCormick, and R. F. Wedge, The Youth Research Project. Sacramento, California Youth Authority, Stockton; California, July 1972.
interview the therapist/counselor begins therapy. During this interview the client negotiates his first treatment contract. The life script is necessary both for the offender and the therapist/counselor if the TA treatment is to be successful. With a compilation of commonalities among the different kinds of life scripts; the therapist/counselor could more quickly determine an approach for treatment: Another major signifieance of the study is in helping to determine the validity and consistency of certain principles of transactional analysis. For example, the design of this study could provide evidence in support of Eric Berne's life script formula (page 21).
II. INTRODUCTION TO TRANSACTIONAL ANALYSIS

Dr. Louis S. B. Leakey disagreed with conventional thought. "He felt man did not originate in Asia, but in Africa. He believed "that the mystery of man's past would be-unraveled in Arrica, ${ }^{3}$ In 1972, Dr. and Mrs. Leakey led a full expedition to OLDuvai, Africa and found fossils of early man. Leakey eventually found the link to the past, but more significant to us is the discovery his wife made. Mrs. Leakey discovered an ancient skull that turned out to be of a species very similar to prehistoric man but one that did not survive. This species, with humanlike qualities, perished because it was a solitary creature of the swamps. Man needed to group to survive. Like the baboon, man used grouping for protection. Grouping was functional in protecting the young. The human infant is more vulnerable, for a longer period of time, than most other infant animals because of his limited instinctual capabilities. Man became a social animal and in order to protect, secure and strengthen his social order, he devised
${ }^{3}$ James Peterson, "Son of the Sparrow Hawk", Psychology Today, September 1972, p. 74.
communication systems. The Sapir-Whorf Hypothesis indicates that language functions not simply as a device for reporting experience, but also, and more significantly, as a way of defining experience. Language is "a way of directing the perceptions of its speakers and it provides for them habitual modes of analyzing experience into significant categories."4 For example, "users of markedly different graminars are pointed by their grammars toward different types of observations and different evaluations of externally similar acts of observations, and hence are not equivalent as observers but must arrive at somewhat different views of the world." In other words, our communication systems help determine how we define the world and this definition is passed from generation to generation. Transactional analysis is a method of understanding man through this communication.

## Primary Drives

Eric Berne suggests that man's social intercourse arises out of two primary drives:

1) Stimulus hunger, which "parallels in many ways, biologically, psychologically, and socially the hunger for food." ${ }^{5}$. Man needs
${ }^{4}$ Hary Hoyer, (ed.), Language in Culture, (Chicago, Illinois: The University of Chicago Press, 1954).

Eric Berne, Transactional Analysis in Psychotherapy (New York: Grove Press Inc., 1961), p. 83.
stimulation to exist. The research done with sensory deprivation supports this view. "It demonstrates that sensory deprivation in the infant may result not only in psychic changes, but also in organic deterioration." ${ }^{6}$ Stimulus hunger is satisfied by stroking. Stroking is a form of stimulation one gives to another. Strokes can vary from physical to verbal, and may even include a mere nod of recognition.
2) Structure hunger: "Structure hunger is the need to establish a social matrix within which the person can transact with others. To satisfy structure hunger, the individual seeks social situations within which time is structured, or organized, for the purpose of obtaining strokes." ${ }^{7}$ Structure hunger suggests the desirability of predictability in the social order.

Berne indicates that a child can be stimulated either positively or negatively; or sometimes not at all. Positive stimulation is affectionate stroking, love, care, etc. Negative stroking may be in the form of spanking or
$6_{\text {Eric Berne, Transactional Analysis in Psychotherapy, }}$ (New York: Grove Press, Inc., New York, 1961), p. 83.
${ }^{7}$ Claude Steiner, Ph.D., Games Alcoholics Play, (New York: Grove Press, Inc., 1971).
in using a harsh, critical voice. No stimulation would be total indifference to the child. Sensory deprivation research indicates that a child will opt for negative stimulation rather than face indifference or no stimula-, tion.

Positive stimulation in basic child formation is, of course, the first choice. Let's use a fictitious 4-year old by the name of Johnny to illustrate this point. Johnny's father has just returned from the office. Johnny comes up to daddy and wants attention (positive stimulation/ stroking). Johnny's father is tired and wants to be left alone. Johnny goes to his bedroom where he "accidently" breaks a window; whereupon, daddy spanks Johnny (negative stimulation/stroking). Johnny opted for attention, even though negative, rather than no attention at all.

The basic pattern of stimulation an infant receives during his early years ( 0 to 5 ) becomes a pattern for which he will structure his time. In order to have the world be predictable, the infant structures his time in such a way that these basic stimulation-response patterns are reinforced. The basic stimulation-response patterns are set up in the relationship between the infant and the parents or parental figures. When the infant encounters others in the world, he wishes his world to be predictable, and therefore, imposes his stimulation-response patterns on others. The infant tends to associate with others that reinforce his concept of himself and the world. Berne suggests that, for
most, these basic stimulation patterns are sought after throughout most of one's life.

We can structure our time for strokes from others six ways:

1) Withdrawal: We can psychologically withdraw from others, even though we remain in their presence and know they are aware of us.
2) Rituals: We can structure our time for simple and stereotyped transactions, such as, "Hello," "How are you?," "Nice Day."
3) Pastimes: A time structure consisting of conversation about specific subjects, perhaps innocuous, to simply pass time, or to get to know someone better.
4) Games: A series of ulterior, exploitative transactions that usually end in a payoff of negative stimulation.
5) Activities: Ways of structuring time that deal with external reality; such as working with others.
6) Intimacy: A deeper level of human encounter. Intimacy is an open, honest relationship free of exploitation. It is associated with tenderness, empathy, and affection.

The basic principle laid down by Berne is essentially that man needs stimulation and time structure. Stimulation
is given and responded to in the parent (parental figure)infant relationship. The infant soon habitualizes the stimulation-response patterns learned from the parents and sets himself up in the outside world to reinforce the patterns; thus, his world becomes predictable although not necessarily enjoyable.

## Ego States

Dr. Wilder penfield, a neurosurgeon, began in 1951 to produce evidence confirming certain concepts about retention of information (memory). Penfield found that by stimulating the brain in certain areas with an electrode, single recollections could be evoked. It appears as if past events are recorded in detail along with feelings that are associated with those events. "Thus, evoked recollection is...a reproduction of what the patient saw and heard and felt and understood. ${ }^{8} 8$

The human brain appears to act as a tape recorder and puts on tape every experience from time of birth (possibly even before birth). Berne suggests, therefore, that the human personality has three types of ego states, which are separate and distinct sources of behavior: the parent Ego State; the Adult Ego State; and, the Child Fgo State. Each person brings with him tapes of all his experiences in childhood; all he has incorporated from his parental

[^0]figures, his perception of events and the feelings associated with the events. Each person also brings with him any distortions or decisions about self and others that have been made because of previous events and feelings.

The Parental Ego State contains the attitudes and behavior borrowed from parental figures. These are usually developed in the first five years of life. Outwardly the behavior is often prejudicial/critical or nuturing. Inwardly the Parent is experienced as a sender of messages that may influence the inner Child.

The Adult Ego State is oriented toward current reality and gathering of information. It functions by testing reality; it computes dispassionately. The Adult Ego State is initiated at around ten months old when a child begins to experience the power of locomotion and discovers he has the ability to choose his responses and manipulate his surroundings.

The Child Ego State contains those basic natural feelings of a person. It also contains the recordings of his earlier experiences, his interpretations of those experiences and his decisions about himself in regard to them. The Child is where basic stimulus-response patterns are stored.

Therefore, the parental Ego state is mostly the taught concept of life, the Adult Ego State the thought, and the Child the felt. It is important to remember that these ego states are not roles, but phenomenological
realities, each with behavioral characteristics befitting those realities.

## Transactions

Communication takes place when one person transacts socially with another. There are three ways communication can occur in using the Parent-Adult-Child (P-A-C) model. Transactions can be: 1) complementary; 2) crossed; or 3) ulterior. A complementary transaction is one that is "appropriate and expected and follows the natural order of human relationship. "9 A complementary transaction occurs when a message from one ego state elicits a response from the ego state addressed in the other person. Crossed transactions occur when an unaddressed ego state responds to the stimulus; an unexpected ego state is activated. (See Model 1 on the following page.)

An ulterior transaction involves more than two ego states, and is a disguised transaction. It is superficially an ostensibly straightforward transaction. A famous example is the old standby, "Would you like to come up and see my etchings?" Another pertinent example is the car salesman who says to the customer, "but, of course, this may be too racy for someone like you." In both cases the message may appear to be going from the Adult to the Adult; but the real one may be from Child to Child, or Adult to Child.

Geric Berne, Games People Play (New York: Grove Press, Inc., 1964).

Model 1


1: Don't worry honey-everything will be fine.

2: Gee, I sure hope so.

The frequency of a person's complementary, crossed, or ulterior transactions largely depends on his habitual responses to stimulation patterns, and how he has thus learned to structure his time. An individual raised in an environment where his stimulation is for negative behavior will structure his transactions with others to get that predictable response. If Johnny is raised in an envixonment in whieh-he is given-attention (strokes) for throwing tantrums, it is possible that in later life he will structure his time in such a way that he can set up transactions for justification to throw a tantrum and thus reinforce his basic stimulation pattern.

## Basic Positions

A major supplementary concern with this habitualized negative stimulation pattern is how the individual begins to see himself. The negative stimulation is usually given with certain parental messages, such as, "Don't get close," or "Don't exist" and "Don't be you" (Parental Injunctions).

Before a child is eight years old, he develops a concept about his own worth and the worth of others. This decision about self and others can affect his behavior for the rest of his life. Correspondingly, it can affect his transactions and how he structures his time. There are four basic positions:

1) I'm OK: You're OK. This is the position of a winner; a healthy position. "A person with this position about himself and
others can solve his problems constructively. He accepts the significance of people."10
2) I'm OK: You're not-OK. When the Child of a person feels not oK, he may conclude that he is OK, but others are not. In this position, a person feels victimized or persecated. He may often blame others for his miseries.
3) I'm not-oK: You!re oK. This "is a common position of persons who feel powerless when they compare themselves to others."11
4) I'm not-OK: You're not-ok. This is the futile position of those who lose interest in Iife.

## Rackets

Therefore, early in a child's life a stimulus-response pattern is set up depending on how the child and the parental figures interact. The child begins to structure his relations with others according to this predictable pattern. Before he is eight years old, he will make a decision about himself. If his circumstances require him to collect negative strokes for stimulation, he usually

10 M . James and D, Jongeward, Born to Win (Massachusetts: Addison-Wesley Company, 1971).
develops a "racket". A racket is a form of "self indulgence in feelings of guilt, inadequacy, hurt, fear, and resentment. ${ }^{12}$ A person manipulates others in order to re-experience and collect predictable, bad feelings. A person indulges in his racket after he has collected enough bad feelings to justify his guilt, inadequacy, etc. This collecting of bad feelings is termed, "collecting stamps." The term is borrowed from the trading stamp business.

## Games

The method to collect stamps and justify behavior for a racket is through the use of games. A game is "a recurring set of transactions, often repetitive, superficialIy rational, with a concealed motivation; or more colloquially, as a series of transactions with a gimmick."13 These transactions follow to a well defined, predictable outcome. Games begin with the con and "all games involve a con. But a con only works if there is a weakness it can hook into, a handle or 'ginmick'. After the 'mark' is hooked, the player pulls some sort of switch in order to get his payoff. The switch is followed by a monent of confusion or crossup while the mark tries to figure out what has happened to him. Then both players collect their
${ }^{12}$ Ibid.
$13_{\text {Eric Berne, Transactional Analysis in Active }}$ Psycotherapy, Harold Greenwald (ed.) (New York: Atherton Press, 1967), p. 175.
payoffs as the game ends." ${ }^{14}$ The payoff feelings are the feelings necessary to stimulate that person's basic stimu-lation-response patterns. In simpler words, the game is designed to duplicate feelings the person had as a child.

In Games People Play, Eric Berne categorizes and explains various games. He labels each game according to a phrase commonly used during the game. Here are some fre-quent-grmes:

| Theme | Name of Game | Purpose: To Prove |
| :---: | :---: | :---: |
| Blaming others | If It Weren't For You | You're not OK |
|  | (IFWY) |  |
|  | See What You Made Me Do |  |
| Saving others | I'm Only Trying To | You're not OK |
|  | Help |  |
|  | What Would You Do With- |  |
|  | out Me |  |
| Finding fault | Blemish | You're not OK |
|  | Corner |  |
| Getting Even | Rapo | You're not OK |
|  | Now I've Got You, You |  |
|  | SOB (NIGYSOB) |  |
| Provoking Put- | Kick Me | I'm not OK |
| downs | Stupid |  |

${ }^{14}$ Eric Berne, What Do You Say After You Say Hello?, (New York: Bantam Books, Inc., 1972), p. 23.

Theme
Enjoying misery

Name of Game
Poor Me
Wooden Leg
Copping out

Harried
Frigid Woman (Man)

Purpose: To Prove
I'm not OK

I'm not OK

Games are a way of structuring time in which people with negative stimulus-response patterns-can-get their stroking; their predictable payoff. A serious game player rejects opportunities to be a winner. Berne divides games into degrees of intensity:

> Ist Degree: socially acceptable in the person's circle. 2nd Degree: no permanent damage, but something the players would like to have con$\quad \begin{aligned} & \text { cealed. }\end{aligned}$ 3rd Degree: played for keeps, and end in sur $\quad \begin{aligned} & \text { gery, the courtroom, or the morgue. }\end{aligned}$

## Life Scripts

"A script is an ongoing program, developed in early childhood under parental influence, which exists in the individual's behavior in the most important aspects of life." ${ }^{15}$ Berne puts the script into a formula, EPI $\rightarrow P R \rightarrow$ $C \rightarrow I B \rightarrow$ Payoff, which translated means that Early Parental
${ }^{15}$ Tbid.

Influences lead to a PRogram, which leads to Compliance and Important Behavior, which get to a payoff. Life scripts are those stimulus-response patterns learned as a child. They can be sustained throughout life as if a person is playing out a theatrical script. The transactions of a person are dependent upon ego states, and ego states function in relation to basic positions. Therefore, transactions can be setups-te-play games-and pursue rackets; for all the purpose of sustaining a person's self-image or to contribute to his life script--a form of self-fulfilling prophecy.

Embodied within the individual's script are various subscripts, such as cultural scripts, which are expected dramatic patterns that occur within a society, such as "struggling for success." Sub-cultural scripts are formed by different ethnic, religious, or educational backgrounds. These sub-cultural scripts are perpetuated by the family unit and a family can add or delete various traditions and expectations to or form the scripts. Essentially then, the parental figures are the persons who pass on script messages. There are two forms of messages: the parental injunction (PI) and the parental counterinjunction referred to as injunction and counterinjunction. The injunction is the most significant of the two messages. The PI is the message sent from the parent's own Child ego state. It is the feeling message. Non-verbal communication is very significant in the PI. The most significant injunctions come
from the dominant, nurturing parent-usually the mother. The injunction messages come in the form of "Don'ts." Some examples are: "Don't get close," "Don't be you," and "Don't exist."

The counterinjunction is communicated from the Parent ego state of the parent. These frequently are embodiments of cultural or sub-cultural scripts. Often it is advice that would lead the offspring to be a "credit to the family," such as "Do be successful," "Do be good," or "Do txy."

The child's adaptation to the scripting messages commits the person to a life script program. This leads to the script decision. The script decision is a critical point in a child's life when he makes a decisjon about himself. It is a childhood commitment to a certain form of behavior. The decision is made by the child's Adult ego state. For some children, the decision is based on poor information resulting from experiences in which strokes were for negative stimulation. For example, a child is punished for throwing a tantrum and told he is a brat for doing such things. The behavior was a way of receiving stimulation because positive strokes were unattainable. The child, however, may base a decision about himself from the messages sent from the parents. In this case, the child may decide he is a brat because of the things he has done and what his parents have said. This decision becomes part of his life script.

A diagram that illustrates the parental messages (injunction and oougtexinjunction) is called a script matrix. The following is an example of a script matrix:

Model 2
"Be a man."
"Men are no good."
(Secret message:
Don't be good.)

Mom
Dad

> "Here's how to be no good."

It is important to understand that not all scripts are bad. Scripts can also function as realistic ideas of what a person can do with his potential.

One of the primary goals of a person in TA treatment might be to develop more autonomy. The procedure for gaining autonomy begins by determining what one's life script is--specifically, what are the messages that have been passed down by parental figures. The next step is to determine what parts of the life script the individual wishes to keep and what parts he wishes to change. For example, one
may like the way he expresses affection in a way similar to his mother's way, but dislike the way he bottles up his anger; therefore, the person may choose to keep the way he expresses affection and choose to re-program a different way to deal with anger.

Members of the San Francisco Social Psychiatry Seminars, during the years of 1966-1970, tried to put togethex a check iist that would function as a shortcut in treatment. It was necessary to find a quick way to determine the elements in a patient's script so that a possible tragic ending could be headed off. The life-script questionnaire used in this study was an outgrowth from this original check list. It is presently being used in various California Youth Authority institutions. The questionnaire was prepared by Paul McCormick. ${ }^{16}$
(Appendix $A$ )
The Life Script Form is the summary or conclusion sheet of the Life Script Questionnaire. It is the end product resulting from the questionnaire. Six of the eight categories (PI, counterinjunction, basic position, racket, games, decision) have been discussed and defined earlier in the introduction. The remaining two are program for life course and contract. The Program for Life Course is "the way to put all the elements of the script together in one story line, on, which to hang the whole life."17 The
${ }^{16}$ paul McCormick, Guide for Use of Life-Script Questionnaire (Berkeley, California: Transactional Pubs. Distributor, 1971).
${ }^{17}$ Ibid.
contract is an agreement to pursue a course of action leading to a clearly defined goal, and includes the criteria for knowing when the goal has been reached.
III. DESIGN AND PROCEDURES OF THE STUDY

## Definition of Terms

"An Exploratory Study" - A search through or into for diagnostic purposes.
"Commonalties"
"Life Script"
"Adolescent"

- Common features and attributes within and between the following categories: injunctions, counterinjunctions, basic positions, rackets, games, decisions, programs of life course and treatment contracts.
- The term will refer to a concept developed by Tric Berne in his theory of transactional analysis. Berne defines life script as "a life plan based on a decision made in childhood, reinforced by parents, justified by subsequent events and culminating in a chosen alternative."
- Relating to a period of growth from approximately puberty to maturity.


Outside Information
During the Fall of 1973, outside information pertinent to the study was collected and analyzed. This information was concerned with two primary areas:
A. Familiarization with transactional analysis, in particular, life script material. This included much of the TA literature available through the TA organization, International Transactional Analysis Association. It also included material obtained at the institutions used in the study.
B. Familiarization with procedures and structure of institutions from which life script data was to be obtained.

These areas were a necessary concern in order to evaluate objectively the resulting data and in order to evaluate the effect of certain variables on the study. This information will be presented in respect to the results of
the study.

## Life Script Form

The next step was to collect the Life Script Form from the two institutions used in the study. A Life Script Form records the material resulting from the Life Script Questionnaire. It includes eight major items: Parental Injunction, Counterinjunction, Basic Position, Racket, Games, Decision, Life Course, and Treatment Contract. Theoretically, these items constitute a subject's life script in transactional analysis' terms. One hundred and sixty Life Script Forms were collected -- 38 from Preston School of Industry and 122 from O. H. Close. Preston School of Industry and O. H. Close are detention centers for male juvenile delinquents from the ages of 16-20. Both schools are part of the California Youth Authority located in northern California.

## Response Lists

The responses to the eight items of the Life Script Form were collected and listed according to their respective
categories (list of responses to each category found in Appendix B). There was a total of 326 responses from 160 subjects.

Responses were listed together if it appeared that the differences were only of a semantic natures. For example, there were many similarities under the category of "Decision." The responses listed under the coding number ten in the Decision category included five similar terms which were similar enough to be warranted as the same response. These were, "I'm no good;" "I'm not ok;" "I'm a shit;" "I'm a rat;" "I'm a born loser."

The responses in each of the eight categories were coded for computer programming. In the parental Injunction category, there were 52 coded responses; Parental Counterinjunction: 69; Basic Position: 6; Racket: 21; Games: 30; Decision: 45; Life Course: 38; Contracts: 58. Once the responses were coded according to categories, a coded Life Script Form was made for each of the 160 subjects. Three responses per category was the maximum number of responses recorded because: (a) the computer had limited input; and (b) very few subjects had over three responses per category. Responses were given in paired numbers; 00 indicated no response. Therefore, a 000006 would indicate one response $(00,00,06)$ in that particular category, while 065134 would indicate three responses $(06,51,34)$. The coded Life Script Forms for the 160 subjects can be found in Appendix C .

The coded responses of the 160 Life Script Forms were punched onto computer cards.

## Program A

The first program was set to determine the frequency of responses for each of the categories. This program was to determine the most prevalent responses in each of the categories--the most common responses. All 160 subjects were used for this first program.

## Program B

The second program was set up to determine commonalities of personality patterns. Twenty of the subjects' Life Script Forms were factored by Principle Components Factor Analysis to determine initial personality patterns, which were then rotated using Varimax rotation procedure to establish five personality patterns (Appendix D explains this procedure). The process was repeated four times, with 20 subjects in each group. Approximately 40 subjects from Preston and 40 from O.H. Close were used.

The factor analysis technique uses the 328 responses as a checklist. The technique compares the responses of the different subjects and then categorizes them according to commonalities. The end result is a subject's similarity to the five personality patterns in terms of percentages. The researcher chose to limit the study to five personality patterns. After five patterns, the characteristics become less definite. The patterns are more reliable and accurate
in the first pattern (D/A) and less reliabie and accurate as they move down to the last pattern (A-D-LB).

## Raw Data for Program B

In each of the personality patterns, the raw data would look like the following for each subject:

SUBJECT $1 \quad$ Personality Pattern
$0.37130 \quad$ Anger/Depression
0.05989 Bepression/Anger
0.23710 Anger/Depression/Death
0.51229 Depression/Death
0.05060 Anger/Depression/Little Boy
(For further explanation of Personality Patterns refer to Results: Program B page 55.)

If the number presented in squared, the result is a percentage of that subject's personality pattern to his whole personality. The total personality based on the possibility of 328 responses of the 160 subjects. Therefore, Subject 1 would be analyzed as the following:

Personality Pattern A/D - Raw Score 0.37130
$=$ Approx. 14\% of total personality
Personality Pattern D/A - Raw Score 0.05989
$=$ Approx. . $5 \%$ of total personality
Personality Pattern A-D-D - Raw Score 0.23710
$=$ Approx. $6 \%$ of total personality
Personality Pattern D-D - Raw Score 0.51229
$=$ Approx. $26 \%$ of total personality
Personality Pattern A-D-LB - Raw Score 0.05060
$=$ Approx. . $5 \%$ of total personality

The raw data for the four groups of twenty subjects can be found in Appendix E.

A random sampling of the 80 subjects indicated that over $50 \%$ of their total personalities were represented by the five personality patterns (average: 52\%).

## Matrices for Personality Patterns

Those subjects who had more than $25 \%$ of their total personality represented by responses in a specific personality pattern provided matrices for that particular personality pattern. For example, subject l's characteristics (responses) became a matrix for personality Pattern D-D because $26 \%$ of his personality was represented by that pattern.

The 80 subjects were analyzed in this fashion to determine those subjects which could be used as matrices for the different personality patterns.

In personality pattern D/A, the following subjects qualified (over $25 \%$ of personality determined by the personality pattern) as determiners of the matrices of characteristics of that personality:

Subject
2
6 -$10-$

14 -$22-$ 26-

48\%
$40 \%$ $34 \%$ $30 \%$ 45\% $35 \%$

Percentage of Personality Determined by Subject 29 -

31 -
$52-$
53 -
59\%
56 -
$60-$
72 -
54\%
76 -
$44 \%$
80 -
53\%

45\% Average

Therefore, 15 subjects had over $25 \%$ of their personality determined by the characteristics of personality pattern D/A. The average subject in this group of 15 qualifiers/representatives had $45 \%$ of his personality determined by personality pattern D/A.

A list of responses of those subjects with over $25 \%$ of their personality in a particular personality pattern was compiled for each of the five personality patterns.

A compilation of the responses for each of the five personality patterns can be found in Appendix F. Since the personality pattern is determined by a composite of the subjects' responses; those responses given only once were not statistically significant and were eliminated from the total. Those responses that were given twice were recorded, but considered weak.

After the statistical compilations were made and unreliable variables eliminated, the responses were decoded and a list was made of the characteristics for each category within that personality pattern. (Tables I - M)

Within each of the five personality patterns, the categories were evaluated, compared, and analyzed by themselves and in conjunction with the other seven categories. Whole personality-patterms were also compared; evaluated and analyzed for their relationships to each other.

## Limitations of Study

There were two significant uncontrolled variables that affected the accuracy of the study.

Limitation of Interpretation: A
The first limitation of the study dealt with interpretation of responses. Some of the responses in the eight categories were interpretations made by therapists or counselors; other responses were direct quotes from the subject. The researcher has determined which categories were more prone to have interpreted responses and which had little or no interpretation. The classification and reasoning behind the classification are as follows:

Direct-Responses:
Low Interpretation

Indirect-Responses: Significant Interpretation

Parental Counterinjunction
Decisions
Life Course
Contracts

Parental Injunction
Basic Position
Games
Racket

Those categories placed under the subheading of direct responses were predominately direct quotes in need of little or no interpretation. The other categories were placed under the subheading of indirect responses because they were not direct quotes. Parental injunctions are thought to be initially communicated non-verbally. The responses given are, for the most part, interpretations of the therapists. Similarly, games, rackets and basic positions are categories in which the therapist takes the responses from the Life Script Questionnaire and fits the responses into the appropriate TA-structured response. For example, a subject may continually set himself up to be put down. The proper response to this in TA terminology may be "Kick Me" in the game category.

Limitation of Interpretation: B
The second limitation of the study was in the use of
language. In all eight of the categories the use and misuse of TA terminology caused confusion and thus decreased the accuracy of the study.

In the direct-response categories there were frequently responses which could be interpreted in various ways. Since the subjects of the study were not available for clarification of responses, the researcher had to deal with the confusion. In cases of confusion, the researeh-placed the response as a separate item. In those cases where a response was very similar to another response, the researcher placed it under the same response number, such as in the decision category, response code number 10: "I'm no good/ not ok/shit/a rat."

In the indirect-response categories, the language problem is in the meaning of the terms as applied by the therapist/counselors. For example: does "Don't exist" and and "Don't be you" mean the same thing? For some therapists the terms may be synonymous; for others the messages may be reversed. The conclusion drawn is that within the institutions studied, there are TA words and phrases that are not uniformly agreed upon. These inconsistencies may not affect the therapist-patient relationship; however, their significance is very important to the study. In both programs $A$ and $B$, the frequency of responses is a measuring device to determine commonalities. Uncertainty or non-uniformity of meaning and interpretation of responses
decreases the accuracy of the study. For example: if "Don't exist" and "Don't be you" were the same parental injunction in reality, then instead of being separate response items of $12 \%$ and $14 \%$, respectively, they would account for $26 \%$ of the responses. The interpretation of total personality patterns would also be affected.

## IV. RESULTS: PROGRAM A <br> FREQUENCY OF RESPONSES

Introduction
There was a total of 328 responses to the eight categories of the Ife Script Ferm. The fellowing is a list of the most common responses in each of those categories. The cutoff line for a response to appear on the chart was $1 \%$. Responses given less than $1 \%$ of the time out of the total number of responses were not significant to the study.

After each page of results interpretation variables and pertinent information are noted.

## CATEGORY 1 - PARENTAL INJUNCTIONS

TABLE A

| Response | Number of <br> Responses | Percent <br> of Total |
| :--- | :---: | :---: |
| Don't get close | 46 | $15 \%$ |
| Don't be you | 43 | $14 \%$ |
| Don't exist/be | 39 | $12 \%$ |
| Don't grow up | 33 | $10 \%$ |


| Responses | Number of <br> Responses | Percent <br> of Total |
| :--- | :---: | :---: |
| Don't think | 20 | $7 \%$ |
| Don't be successful | 14 | $5 \%$ |
| Don't feel good about self | 13 | $4 \%$ |
| Don't feel | 10 | $3 \%$ |
| Don't be responsible-for action | 9 | $3 \%$ |
| Don't enjoy | 7 | $2 \%$ |
| Don't be responsible for feelings | 6 | $2 \%$ |
| Don't be like your dad | 6 | $2 \%$ |
| Don't do anything right | 4 | $1 \%$ |
| Don't do wrong/be bad | 4 | $1 \%$ |
| Don't make it | 4 | $82 \%$ |
| Totals | 258 |  |

Pertinent Information:
Parental Injunctions
Parental injunctions are indirect responses and subject to therapeutic interpretation. The four most prominent injunctions are, "Don't get close," "Don't be you," "Don't exist/be," and "Don't grow up." These four responses were each recorded as being over $10 \%$ of the total. They were responsible for over $50 \%$ of all responses.

## Interpretation Variables

(A) Similarities and differences in interpretation of "Don't be you" and "Don't exist/be."
(B) Similarities and differences in interpretation between "Don't feel," "Don't feel good about yourself," and "Don't enjoy."
(C) Similarities and differences in interpretation between "Don't feel" and "Don't get close."
(D). Similarities and differences in interpretation between "Don't be successful," "Don't do anything right," and "Don't make it."

## CATEGORY 2-PARENTAL

COUNTERINJUNCTION
TABLE B

| Response | Number of <br> Responses | Percent <br> of Total |
| :--- | :---: | :---: |
| Do succeed | 35 | $16 \%$ |
| Do be good/right | 32 | $15 \%$ |
| Do stay out of trouble | 27 | $9 \%$ |
| Do grow up | 19 | $6 \%$ |
| Do think | 17 | $6 \%$ |
| Do go to school/college/educated | 16 | $5 \%$ |
| Do be you | 8 | $3 \%$ |
| Do your best | 8 | $3 \%$ |
| Do be a nice and decent person | 7 | $3 \%$ |
| Do try | 7 | $2 \%$ |
| Do be a man | 7 | $2 \%$ |
| Do live for mom/dad | 7 | $2 \%$ |
| Do get close |  | 8 |


| Response | Number of <br> Responses | Percent <br> of Total |  |
| :--- | :---: | :---: | :---: |
| Do be happy | 5 | $2 \%$ |  |
| Do get a job | 5 | $2 \%$ |  |
| Do be independent | 4 | $1 \%$ |  |
| Do be like your father | 4 | $1 \%$ |  |
| Do be honest | 3 | $1 \%$ |  |
| Do feel | 3 | $1 \%$ |  |
| Do go to jail | 3 | $1 \%$ |  |
| Do make something out of yourself | 3 | $1 \%$ |  |
| Do straighten up | 3 | $1 \%$ |  |
| Do what you want | 3 | $1 \%$ |  |
| Do work hard | 35 | 85 |  |
| Totals |  | 3 | $1 \%$ |

## Pertinent Information:

Parental Counterinjunctions
Parental counterinjunctions are more direct responses and therefore in less need of interpretation. Most of the counterinjunctions are direct quotes from the interviewed subjects. There was a wide spread in these responses. The two most significant responses were "Do succeed" and "Do be good/right," which made up $31 \%$ of the total. It is interesting to note that the most significant injunctions don!t correspond in rank with the counterinjunctions; for example, "Don't get close" was the top-ranking injunction,
whereas its counterpart "Do get close" was 13 th on the counterinjunction list, with only $2 \%$ of the responses. "Don't be you" was ranked second in the injunctions category and its counterpart, "Do be you" accounted for only 3\% of the total responses and ranked seventh.

Interpretation Variables
(A) Similarities and differences between-"Do succeed" and the following: "Do go to school," "Do get a job," and "Do make something out of yourself." In other words, what did the subject have in mind with the response of "Do succeed?"
(B) Similarities and differences between "Do be good/right," "Do stay out of trouble," "Do be a nice and decent person," and "Do straighten up."
(C) Similarities and differences between 'Do be you," "Do be independent," and "Do what you want."
(D) Similarities and differences between "Do your best" and "Do try."
(E) Similarities and differences between "Do live for mom/dad," and "Do be like your father (mother)."

## CATEGORY 3 - BASIC POSITION

TABLE C

| Response | Number of <br> Responses | Percent <br> of |
| :--- | :---: | :---: |
| Total |  |  |$|$|  |  |
| :--- | :--- |
| I'm not-OK: You're OK | 53 |

Pertinent Information:
Basic Position
Basic positions are indirect responses with some interpretation. The reader will notice immediately that there are more than 10 types of responses to basic positions. This is contrary to basic transactional analysis theory which indicates only four basic positions (refer to Introduction, Page 13). Some therapist/counselors put down direct responses of the subjects in this category and did not interpret the responses into the theoretical correct TA structure.

A clear majority of the subjects interviewed (61\%) are either in the position, "I'm not-OK: You're OK" or "I!m not-OK." One clear conclusion drawn is that a high majority of the youth interviewed have negative selfimages (I'm not-OK). The "I'm not-OK" self-image, aside from how he sees others, totaled $72 \%$ of all responses; (this number does not include the "I'm not-OK sometimes" response), $12 \%$ saw themselves OK.

Interpretation Variables
(A) Similarities and differences in interpretation between "I'm not-OK" and the other "not-OK" positions. In other words, how did the "I'm not-OK" response subject see others?
(B) Similarities and differences in interpretation between "I'm not-OK sometimes: You're OK sometimes."
(C) Where does the "sometimes" response fit into TA theory?

CATEEGORY 4 - RACKET
TABLE D

| Response | Number of <br> Responses | Percent <br> of Total |
| :--- | :---: | :---: |
| Depression | 84 | $32 \%$ |
| Anger | 59 | $22 \%$ |
| Guilt | 27 | $10 \%$ |


| Response | Number of Responses | Percent <br> of Total |
| :---: | :---: | :---: |
| Inadequacy | 17 | 6\% |
| Rejection/Unwanted | 15 | 5\% |
| Confusion | 10 | 4\% |
| Unloved | 9 | 3\% |
| Anxiety | 7 | $3 \%$ |
| Loneliness | 6 | 2\% |
| Worry | 6 | 2\% |
| Despair | 4 | 2\% |
| Helplessness | 4 | 2\% |
| Being Wronged | 3 | 1\% |
| Nervousness | 3 | 1\% |
| Withdrawn | 3 | 1\% |
| Total | 257 | 96\% |

## Pertinent Information:

Racket
The responses from the racket category have been determined to be indirect responses with some interpretation. It should be noted that subjects gave direct (quotes) response to emotion most often felt; however, the interpretation lies in determining if these direct responses were rackets.

The majority of subjects have rackets of either depression or anger (54\%).

Interpretation Variables
(A) Similarity and differences in interpretation between depression and the following: guilt; inadequacy; rejection/not being wanted; not being loved; loneliness; despair; helplessness; and wanting to withdraw.
(B) There appears to be confusion as to the difference between emotions and behavior; for example, are withdrawal and despair emotions or characteristics of behavior accompanying depression?
(C) Similarities and differences in interpretation between anxiety, nervousness, and worry.

$$
\text { CATEGORY } 5 \text { - GAMES }
$$

TABLE E

| Response | Number of <br> Responses | Percent <br> of Total |
| :--- | :---: | :---: |
| Cops \& Robbers | 65 | $22 \%$ |
| If It Weren't For You/Them | 52 | $17 \%$ |
| Kick Me | 43 | $15 \%$ |
| Poor Me | 31 | $11 \%$ |
| Stupid | 24 | $8 \%$ |
| Addict | 12 | $4 \%$ |
| How Do I Get Out Of Here | 9 | $3 \%$ |
| NIGYSOB | 9 | $3 \%$ |
| Ain't It Awful | 6 | $2 \%$ |


| Response | Number of <br> Responses | Percent <br> of Total |
| :--- | :---: | :---: |
| Wooden Leg | 6 | $2 \%$ |
| Do Me Something | 4 | $1 \%$ |
| Confusion | 3 | $1 \%$ |
| Slaughter Me | 3 | $1 \%$ |
| Victim | 270 | $1 \%$ |

Pertinent Information: Games
Games are indirect responses with significant interpretation. There were five primary games: Cops and Robbers ( $22 \%$ ) ; If It Weren't For You/Them (17\%); Kick Me (15\%); Poor $\mathrm{Me}(11 \%)$; and Stupid ( $8 \%$ ). These were the primary games because the percentages and number of responses halves after the games, "Stupid." These five games make up $73 \%$ of the total responses.

The confusing responses within the game category are significant. Many of the games appear to overlap and could be interpreted in different ways. Different therapists may have termed similar behaviors differently. In the therapeutic setting this situation is not significant, particularly with the advent of the Karpman triangle. ${ }^{18}$ The
${ }^{18}$ Stephen B. Kaxpman, "Fairytales and Script Drama Analysis," Transactional Analysis Bulletin, Vol. 7, No. 26, p. 39-43.

Karpman triangle indicates that games have certain roles. Certain games are played as persecutor, others as victims, and still others as rescuer. It is interesting to note how the rescuer-persecutor-victim idea breaks down with the games listed.

| Victim |  | Persecutor |  | Rescuer |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cops \& Robbers | 11\% | Cops \& Robbers | $11 \%$ | Ain't | It Awful | $2 \%$ |
| Kick Me | 15\% | IFWY | . $17 \%$ |  |  |  |
| Poor Me | 11\% | NIGYSOB | 3\% |  |  |  |
| Stupid | 8\% |  |  |  |  |  |
| Addict | 4\% |  |  |  |  |  |
| Wooden Leg | $2 \%$ |  |  |  |  |  |
| Confusion | 1\% |  |  |  |  |  |
| Slaughter Me |  |  |  |  |  |  |
| Victim | 1\% |  |  |  |  |  |
| Totals | 54\% |  | 31\% |  |  | 2\% |

Cops and Robbers is broken up between victim and persecutor, depending upon whether the role played is cop or robber. The games, "How Do I Get Out Of Here" and "Do Me Something" were omitted because classifying information wasn't available.

The confusion drawn is that a large majority of the games are played from the victim role. This, of course, may, in part, explain the subjects' confinement. Although
there are few games played from the rescuer role, many of the other games become setups for others to rescue.

The problem of therapeutic interpretation as an uncontrolled variable is still prevalent, despite the Karpman triangle. The following is a list of these possible interpretive problems.

Interpretation Variables
(A) Similarities and differences in interpretation between "Kick Me" and the following: "Slaughter Me," "Victim," "Confusion," and "Addict."
(B) Confusion of interpretation of "Cops and Robbers" as being a victim role or a persecutor role. If victim, is it a form of "Kick Me?"; if persecutor, is it a form of NIGYSOB Or IFWY?
(C) Confusion of interpretation as to whether certain responses such as "Poor Me," "Ain't It Awful," and "Wooden Leg" are games or setups for other games.
(D) Confusion as to TA theoretical definition of the games, "How Do I. Get Out Of Here" and "Do Me Something."

## CATEGORY 6-DECISIONS

TABLE F

| Response | Number of <br> Responses | Percentage <br> of Total |
| :--- | :---: | :---: |
| I'Il never make it | 40 | $18 \%$ |
| I'm no good/not-ok/shit/a rat | 26 | $12 \%$ |
| I'm unloved/unwanted/no one cares | 19 | $9 \%$ |


| Response | Number of Responses | Percentage of Total |
| :---: | :---: | :---: |
| I don't care/fuck it | 18 | 8\% |
| My okness depends on others | 8 | 4\% |
| I'11 show them/her/him | 8 | 4\% |
| I won't ever grow up | 7 | 3\% |
| I'll get attention by messing-up | 6 | 3\% |
| $I^{\prime} \mathrm{m}$ like my parents/mom/dad | 6 | 3\% |
| I can't do anything right | 6 | 3\% |
| I'm stupid | 6 | 3\% |
| I'll never make it straight/ out there | 5 | 2\% |
| I won't get close | 5 | 2\% |
| I'll die | 5 | 2\% |
| I can't be like mom \& dad want me to be | 4 | 2\% |
| I will continue as is/trouble | 4 | 2\% |
| - I will be lonely/remain alone | 4 | 2\% |
| I'm not responsible | 4 | 2\% |
| I'11 mess up and enjoy it | 3 | 1\% |
| I don't know what to do | 3 | 1\% |
| Someone else will always run my life | 3 | 1\% |
| I can't trust anyone | 3 | 1\% |
| Total | 193 | 88\% |

Pertinent Information:
Decisions
Decision responses were given in the first person and were, therefore, direct responses with no significant interpretation.

There appears to be four primary decisions that make up $47 \%$ of the total responses. The four primary decisions are: "I'll never make it" (18\%), "I'm no good/ not-ok/shit/a rat" (12\%), "I'm unloved/unwanted/no one cares" (9\%), and "I don't care/fuck it" (8\%). The researcher considered these the primary responses because percentage and number of responses more than halved after the response, "I don't care/fuck it."

Although there was no significant interpretation of the responses, there were similarities and differences that left many meanings unclear.

Interpretation Variables
(A) The similarities and differences between the following apparent rebellious responses: "I don't care/ fuck it," "I'll show them/her/him," "I'll get attention by messing up," and "I'll mess up and enjoy it."
(B) Similarities and differences between "I'll never make it," "I won't ever grow up," "I can't do anything right," "I'm stupid," "I'll never make it straight/out there," and "I can't be like mom and dad want me to be."
(C) Similarities and differences between "My okness depends on others," "I'm not responsible," and "Someone else will always run my life."
(D) Similarities and differences between "I won't get close," and "I can't trust anyone."
(E) Similarities and differences between "I'm no good/not-ok/shit/a rat," and "I'm stupid."
. CATEGORY 7-LIFE COURSE
TABLE G

| Response | Number of Responses | Percentage of Total |
| :---: | :---: | :---: |
| Be put in jail | 64 | 21\% |
| Be an addict | 19 | 6\% |
| Get killed | 19 | 6\% |
| Commit suicide | 19 | 6\% |
| Be in trouble | 18 | 6\% |
| Run | 16 | 5\% |
| Be irresponsible/not responsible for self/depend. | 15 | 5\% |
| Stay angry | 13 | 4\% |
| Get myself injured/messed up/ accident | 13 | 4\% |
| Exercise no control over self | 12 | 4\% |
| Be a failure | 11 | $4 \%$ |
| Stay depressed | 10 | 3\% |
| Be stupid | 9 | 3\% |
| Stay a little kid | 7 | 2\% |
| Blame others | 6 | 2\% |
| Be put in institution (crazy house) | . 5 | 2\% |


| Response | Number of <br> Responses | Percentage <br> of Total |
| :--- | :--- | :--- |
| Get attention | 4 | $1 \%$ |
| Hustle | 4 | $1 \%$ |
| Murder someone | 4 | $1 \%$ |
| Be sexually deviant/homosexual | 4 | $1 \%$ |
| Withdraw | $\ldots$ | 4 |

Pertinent Information:
Life Course
The responses from the life-course category were direct responses with little or no interpretation.

There was a wide spread of responses in this category. The most significant response was, "Be put in jail" (21\%). The next highest number of responses was "Be an addict," "Get killed," "Commit Suicide," and "Be in trouble," all with $6 \%$. There were 21 different responses that fell between $6 \%$ and $1 \%$.

Interpretation Variables
(A) Similarities and differences between "Be put in jail" and the following: "Be in trouble," "Fail," "Be put in an institution," "Murder someone," and "Set self up to be bossed around." The confusion here is that all of
the responses indicated above could lead to being put in jail.
(B) Similarities and differences between "Get killed," "Commit suicide," and "Get myself messed up/injured/accident.".
(C) Similarities and differences between "Be irresponsible/not responsible for self/dependent," "Exercise no control over self," "Stay a little kid," and "Blame others."

## CATEGORY 8 - CONTRACTS

TABLE H

| Response | Number of Responses | Percentage of Total |
| :---: | :---: | :---: |
| I will feel good/loved/about myself | 27 | 10\% |
| I will be responsible for my actions and feelings | 23 | 8\% |
| I will deal with anger feelings | 22 | 8\% |
| I will go to school/education | 19 | 7\% |
| I will stay out of depression racket | 18 | 6\% |
| I will work on problems/check them out in group | 15 | 5\% |
| I will be concerned with/get along/help others | 14 | 5\% |
| I won't steal | 11 | 4\% |
| I will control my feelings | 10 | 4\% |
| I will deal with parental feeling | \% 9 | 3\% |


| Response | Number of Responses | Percentage of Total |
| :---: | :---: | :---: |
| I will be straight with feelings/honest | 9 | 3\% |
| I will make decisions on fact/ reality (think before act). not feelings/fantasy | 7 | 3\% |
| I will stop feeling stupid/ will feel smart | 5 | 2\% |
| I will change | 5 | $2 \%$ |
| I will deal with unloved feel ings/bad feelings | 5 | 2\% |
| I will do constructive things | 5 | 2\% |
| I won't commit suicide accidently or on purpose | 4 | 1\% |
| I won't play games/get hooked by others | 4 | 1\% |
| I will stop being a follower | 4 | 1\% |
| I will do acceptable behavior follow law | 4 | 1\% |
| I will use TA more | 4 | 1\% |
| I will feel good about decisio make good decisions/ accomplishments | 4 | 1\% |
| I will get close | 3 | 1\% |
| I will stop running away | 3 | 1\% |
| I will stop fighting | 3 | 1\% |
| I will avoid imprisonment | 3 | 1\% |
| I won't hurt myself accidently or on purpose | 3 | 1\% |
| I will not feel bad about things I can't change | 3 | 1\% |


| Response | Number of <br> Responses | Percentage <br> of Total |
| :--- | :---: | :---: |
| I will work on old decisions <br> made | 1 | $1 \%$ |
| I will build up my self con- <br> fidence. | 3 | $1 \%$ |
| I will learn to read | 3 | $1 \%$ |
| Total | 255 | $89 \%$ |

Pertinent Information:
Contracts
Contract responses were direct and with no interpretation. There was a wide spread of responses in the contract category. There were 31 different responses, ranging from $10 \%$ to $1 \%$.

Interpretation Variables
(A) There were several contract responses which could include many other responses.
(1) "I will feel good/loved/about myself" could include a variety of the other responses. In other words, if the subject's contract to do work on a variety of things, it could be interpreted as working to feel good about oneself.
(2) "I will change" is a response that is an intrinsic characteristic of the
contract. Therefore, most behavior contracts would include change.
(3) "I will do acceptable behavior/follow law" is another instrinsic quality of the contract as used in the specified institutions. Interpretative logic would dictate that dealing with feelings and actions that have led-to unacceptable behavior would make many other responses in the contract category fall under this response.

## V. RESULTS: PROGRAM B <br> PERSONALITY PATTERNS

## Introduction

The following are the characteristics of five different personality patterns as determined in the study The results of each personality pattern are given in full. The resultant data of each personality pattern are followed immediately with an analytic section, which points out the significant data. The analytic section also includes summary remarks about each personality pattern. The resultant data and analytic section of each of the personality patterns are followed by a comparative section in which the five personality patterns as wholes are compared to each other.

It is important to note that the characteristics of the personality patterns are determined according to frequency of responses. Therefore, those characteristics that were responsed to only once were eliminated because they were unreliable. Those characteristics with fewer responses are less reliable than those with many responses. The likelihood of a characteristic with two responses to be a significant trait of a personality pattern is minimal unless they are accompanied in the same category by very
similar characteristics. This point will further be elaborated on in the respective areas of concern.

PERSONALITY PATTERN D/A (DEPRESSION/ANGER)
TABLE I

15 Subjects:
Responses
PI
Don't get close
6

Don't be you 5

Don't be successful 4

Don't exist 3

Don't enjoy 2

PCI
Do succeed 3
Do stay out of trouble 3

Do try 2

Do live for mom and dad 2
Do your best
2

BP
I'm not-OK 4

Blank 4
I'm OK sometimes-you're OK sometimes 2
I'm not-oK-you're OK
2

Racket
Depression 13
Anger 7

## Table I (continued)

15 Subjects:Responses
Games
Cops and Robbers ..... 13
Kick Me ..... 4
Stupid. ..... 2
Decision
I am unloved/unwanted/no one cares ..... 5
I don't care/fuck it ..... 4
I'll never make it straight ..... 2
I'll get attention by messing up ..... 2
I'll never make it ..... 2
Life Course
Be put in jail ..... 11
Be in trouble ..... 3
Run ..... 3
Commit Suicide ..... :2
Contracts
Blank ..... 4
I will deal with my anger feelings ..... 4
I will stay out of depression racket ..... 4
I will feel good about myself ..... 3
I will be responsible for my feelings and actions ..... 3
I will be concerned with/help/get along with others ..... 2
I won't steal ..... 2

Analysis of Personality
Pattern D/A
Significant Data
The most significant and reliable data are in the categories, rackets, games and life course. In the racket category we note a large number of responses of "Depression" (13). In the games category we note a large number of responses to the game "Cops and Robbers" (13). In the life course category we note a large number of responses of "Be put in jail" (11).

The categories of parental counterinjunctions and contracts are the weakest categories of this personality type, with four being the highest number of responses. Basic position was not major factor in Program B since nearly all of the subjects had the same basic position as determined in Program A.

The decision category has two major responses: "I am unloved/unwanted/no one cares" (5), and "I don't care/fuck it" (4):. Correspondingly, these two responses appear to fit the two responses in the racket category depression (13) and anger (7).

The two most significant injunctions are "Don't get close" (6), and "Don't be you."

Summary Remarks
Personality pattern D/A seems to be mainly characterized by depression with occasional rebellious outbursts of anger. Depression is supported by the depression racket
corresponding with victim games and depressive decisions of "I am unloved/unwanted/no one cares," "I'll never make it straight," and "I'll never make it." Depression and being unwanted also provide an opportunity for the subject not to get close to others and thus obey his parental injunctions. The rebellious anger is supported by seven responses of anger in the racket category, certain rebellious decision responses such as, "I don't care/fuck it," and "I'll.get attention by messing up.". The game Cops and Robbers can also provide opportunity for anger as discussed earlier in the study. Another significant characteristic of personality pattern D/A is that the subjects don't appear to be playing for keeps; that is, the responses in the life course indicated that the subjects will end up in trouble or in jail, but not dead. Out of the 19 recorded responses, only two are of a life course ending in death. Those two suicide responses may be for attention rather than serious death wishes.

## PERSONALITY PATTERN A/D (ANGER/DEPRESSION)

TABLE J
12 Subjects:
Responses

## PI

Don't be you $\quad 6$
Don't get close 4
Don't think 2
Don't be like your dad $\quad 2$

## Table J (continued)

## 12 Subjects:

## CI

Do be good/right 6
Do be a failure 2

Do succeed 2

## BP

Blank
I'm not-OK 4

## Racket

Anger ..... 8
Depression ..... 3
Guilt ..... 3
Confusion ..... 3
Games
If It Weren't For You/Them ..... 5
Poor Me ..... 2
Kick Me ..... 2
Addict ..... 2
Alcoholic ..... 2
Decision
I'll never make it ..... 5
I don't care/fuck it ..... 4
My okness depends on others ..... 2
I'm no good/shit/rat/born loser ..... 2

Table J (continued)
12 Subjects:
Responses

## Life Course

$$
\text { Be put in jail } 3
$$

Commit suicide 2
Fail
2
Be stupid
2

## Contracts

I will deal with anger feelings 5
I will be responsible for my actions
and feelings
I will work on my problems/check
them out/work in group
I will be straight with my feelings 3
I will control my feelings $\quad 2$
I will feel good about myself $\quad 2$

## Analysis of Personality Pattern A/D

Significant Data
The most clear-cut characteristics appear in the categories of parental counterinjunctions, racket and games. The main counterinjunction appears to be "Do be good/right" (6). The main racket appears to be anger (8). The main game is "If It Weren't For You Them". (5).

The significant parental injunctions are "Don't be you". (6), and "Don.'t get close" (4).

The significant decisions are "I'll never make it" (5), and "I don't care/fuck it" (4).

Summary Remarks
Personality Pattern A/D appears to be characterized by anger with occasional depressive behavior. The anger is supported by the racket category. The game, "If It Weren't For You/Them" is played from the persecutor's position and also verifies angry behavior.

The decision of "I don't care/fuck it" indicates some rebellious anger. The anger appears to be a method to act out the parental injunctions, "Don't be you," and 'Don't get close." The "Don't get close" message is probably followed by using anger to keep people away. The "Don't be you" response could easily work in conjunction with the parental counterinjunction, "Do be good/right." The subject is supposed to be good and right, but the underlying message is not to be you; therefore, to "Be put in jail" obeys the messages of "Not being you," which is supposed to be good and right. Also, blaming others and not owning responsibility for criminal behavior would correlate with the "Do be good/right" counterinjunction. It is interesting to note that the contract category has many responses that indicate an owning up to feelings and taking responsibility for actions. Personality Pattern A/D probably uses anger as a projection ostensibly to clear himself, and the depression indicates some realization of this behavior. The depression is supported by racket responses of depression (3)
and guilt (3); victim games of Poor Me (2), Kick Me (2), Addict (2), Alcoholic (2); and decision responses of "I'11 never make it". (5), and "I'm no good/shit/rat/born loser" (2).

The life course for personality pattern $A / D$ appears to be oriented toward being in jail (3), failing (2), and being stupid (2), rather than ending in death. Only two responses ended in death (suicide), while seven responses ended in life courses other than death.

There is also a minor theme of stupid running through personality pattern $A / D$. It is indicated by responses in the categories of parental injunction "Don't think;" The racket "confusion;" and life course, "Be stupid." Playing Stupid can also be a way to not get close and not take responsibility for self, "My okness depends on others."

## PERSONATITTY PATTERN A-D-D <br> (ANGER-DEPRESSION-DEATH)

TABLE K
17 Subjects:
Responses

## PI

Don't feel good about yourself
Don't exist/be
Don't get close
Don't be you
Don't be successful 2

Table K (continued)
17 Subjects:
Responses
CI
Do stay out of trouble ..... 6
Do go to school/college/educated ..... 2
Do think ..... 2
Do grow up ..... 2
BP
I'm not OK-You're OK ..... 9
I'm not-OK ..... 4
Blank ..... 3
Racket
Anger ..... 8
Depression ..... 8
Confusion ..... 4
Guilt ..... 3
Despair ..... 2
Rejection ..... 2
Inadequacy ..... 2
Games
Cops and Robbers ..... 9
Kick Me ..... 5
IFWY ..... 3
Stupid ..... 3

## Table K (continued)

## 17 Subjects:

## Responses

Games (continued)
Poor Me ..... 3
How Do I Get Out Of Here ..... 2
Slaughter Me ..... 2
Decisions
I'm no good/not-ok/shit/rat/born loser ..... 7
I'll show them ..... 4
I'll get attention by messing up ..... 4
I'll mess up and enjoy it ..... 2
I'm unloved/unwanted/no one cares ..... 2
I don't care/fuck it ..... 2
I'll never make it ..... 2
Life Course
Be put in jail ..... 8
Stay angry ..... 5
Get killed ..... 5
Be Depressed ..... 3
Blame others ..... 2
Get myself injured/accident/messed up ..... 2
Feel guilty ..... 2
Commit suicide ..... 2
Fail ..... 2
Be put in an institution (crazy house) ..... 2

Table K (continued)
17 Subjects
Responses

## Contract

None

## 7

I will feel good/loved about myself 5

I will work on problems/check them out 2

I will make decision on fact not fantasy I will be straight with feelimgs

I won't feel bad about things I can't change

## Analysis of Personality Pattern A-D-D

Significant Data
In the parental injunction category, there were two significant responses, "Don't feel good about yourself" (8), and "Don't exist" (7). The most significant counterinjunction is "Do stay out of trouble" (6). In the racket category, the two significant responses were anger (8) and depression (8). The most frequent game was Cops and Robbers (9) followed by Kick Me (5). The most prevalent decision was "I'm no good/not-OK/shit/rat/born loser" (7). The most frequent life course was to "Be put in jail" (8).

In Personality Pattern A-D-D there are more responses in most of the categories then other personality patterns and their corresponding categories.

Summary Remarks
The subjects in Personality Pattern $A-D-D$ have a very definite negative self-image as indicated by the parental injunction, "Don't feel good about yourself" (8); the basic positions, "I'm not-OK: You're OK" (9), and "I'm not-OK" (4); the racket responses of , particularly, "Despair" (2), "Rejection" (2), and "Inadequacy" (2); many games which take-the-victim-position; and decisions such as "I'm no good/ not-OK/shit/rat/born loser"(7), and "I'm unloved/unwanted/ no one cares" (2).

The subjects of Personality Pattern $A-D-D$ appear to make a strenuous effort to obey the parental injunctions of "Don't feel good about yourself," and "Don't exist." They strive to not feel good about themselves by moving through various rackets. They probably stay with a racket only as long as it helps them succeed in obeying the parental injunction. The same seems true about games; whereas, the other personality patterns have repertoires of four or five games, the personality pattern $A-D-D$ subject has seven. As in rackets, one game is given up as soon as it becomes ineffective and another is tried. The point is to live out the parental injunction, "Don't feel good about yourself" and reaffirm old decisions of being "No good/not-OK/a rat/shit/ born loser." The other parental injunction of "Don't exist" is substantiated by the high number of responses in the life-course category that end in death, physical injury, or mental institutions. Thirteen responses in the life-course
category end in such a fashion: "Get killed" (5), "Get myself injured/accident/messed up" (2), "Commit suicide" (2), and "Be put in an institution (crazy house)" (2).

Personality Pattern A-D-D seems particularly rebellious as indicated in the decision responses: "I'll show them" (4), "I'll get attention by messing up" (4), "I'll mess up and enjoy it" (2), and "I don't care/fuck it" (2).

## PERSONALITY PATTERN D-D (DEPRESSION-DEATH)

TABLE L
13 Subjects:

## PI

Don't exist/be ..... 8
Don't be you ..... 5
Don't be like your dad ..... 2
Don't grow up ..... 2
Don't be responsible for your actions ..... 2
Don't get close ..... 2
CI
Do stay out of trouble ..... 4
Do go to school ..... 4
BP
I'm not-OK ..... 5
Blank ..... 5
I'm not-OK: You're OK ..... 2
Table Li (continued)
13 Subjects:Responses
Racket
Depression ..... 6
Guilt ..... 5
Feeling unloved ..... 2
Games
IFWY5
Cops and Robbers ..... 5
Poor Me ..... 2
Kick Me ..... 2
Addict ..... 2
Decision
I'll never make it ..... 5
I am unloved/unwanted/no one cares ..... 3
I'm no good/not-ok/shit/a rat ..... 3
I'll die ..... 2
Life Course
Be an addict ..... 5
Get killed ..... 4
Be put in jail ..... 3
Blank ..... 3
Fail ..... 2
Withdraw ..... 2

Table L (continued)
13 Subjects:
Responses

## Contracts

I will feel good/loved about myself 6
I will stay out of trouble 3
I will be responsible for my actions ...
and feelings
I will work on problems/check them out/
work in group
I will go to school/get diploma
2
I will deal with unloved feelings/bad feelings

I won't hurt myself 2
I will be concerned/help/get along with others

## 2

Analysis of Personality
Pattern D-D
Significant Data
The significant parental injunctions are "Don't exist/be" (8), and "Don't be you" (8). All three responses in the racket category become significant because of their lack of anger and similarity to each other -- depression (6), guilt (5), and unloved (2). In the game category the two most significant responses are IFWY (5) and Cops and Robbers (5). All of the responses of the decision category are significant. The life course has two significant responses: "Be an addict" (5), and "Get killed" (4).

Summary Remarks
Personality Pattern D-D seems resolved to follow the parental injunction of "Don't exist" (8) without any fight. He is deeply into depressive rackets of depression (6), guilt (5) and feeling unloved (2) with decisions that support the rackets -- "I.'ll never make it" (5), "I am unloved/unwanted/no one cares" (3), "I'm no good/notok/a shit/a rat/born loser" (3), and "I'1I-die" (2). The life course, predictably, is oriented toward self-destruction: "Be an addict" (5), and "Get killed" (4). The games also support the depressive nature of Personality Pattern D-D with Cops and Robbers (5), Poor Me (2), Kick Me, and Addict (2). There is a seeming contradiction in the games with the response of IFWY (5). IFWY is usually played from the persecutor role and, behaviorally, conducted with anger. Probably the game. IFWY here is played out of the guilt racket and corresponds to another of the less significant parental conjunctions, such as "Don't grow up" (2), or "Don't be responsible for your actions" (2).

Possibly part of the reason for the self-destruction/depressive nature of Personality Pattern D-D is in the lack of counterinjunctions and their apparent weakness "Do stay out of trouble" (4), and "Do go to school" (4), in conjunction with the quantity of destructive injunctions.

# PERSONALITY PATTERN A-D-LB <br> (ANGER-DEPRESSION-LITTLE BOY) <br> TABLE M 

15 Subjects:
Responses

## PI

Don't grow up 4

Don't get close 4
Don't exist
4

CI
Do grow up 4

Do stay out of trouble 2
Do be like your father 2

BP
I'm not-OK 4
I'm not-oK: You're OK $\quad 3$
I'm OK - You're OK 2
Blank 2

Racket
Depression 6
Anger 5
Rejection/feeling unwanted 2
Confusion 2

## Table M (continued)

15 Subjects:
Games
Cops and Robbers 5
Kick Me 3

Poor Me 3

How Do I Get Out 2
Stupid
If It Weren't For You/Them 2

Decision
I'm no good/not-ok/shit/rat/born loser 6
I can't do anything right 2
I am unloved/uncared for $\quad 2$
I don't care/fuck it

Life Course
Be put in jail $\quad 4$
Get killed 3
Run 2
Set self up to be bossed around 2
Stay angry 2
Exercise no control over self 2

Contracts
I will feel good/loved about myself... 3
I will stop feeling stupid/will feel smart $\quad 2$
I will be responsible for actions and feelings

Analysis of Personality Pattern $A-D-L B$

Significant Data
Unlike the other personality patterns, there were few significant (outstanding) responses, In the racket category the significant responses were "depression" (6), and "anger" (5). In games the main response was "Cops and Robbers" (5). In the decision category, "I'm no good/notOK/shit/rat/born loser" (6) was the most prevalent.

Summary Remarks
Subjects of Personality Pattern $A-D-L B$ seem to be following several patterns beginning with the parental injunctions "Don't grow up" (4), "Don't get close" (4), and "Don't exist" (4). The message of "Don't grow up" could possibly be supported by counterinjunctions of "Grow up" and "Do be like your dad." Any of the racket responses could be used to support the message as could the gane responses. The decision responses could all develop out of "Don't grow up" messages, but the "I can't do anything right" (2) response seems a good decision to make if you don't wish to grow up. In the life-course category, the "Don't grow up" message is particularly supported by re-sponses that give power over self to others, such as "Set self up to be bossed around" (2), and "Exercise no control over self" (2). The other life-course responses could fit the injunctions also.

The "Don't exist" parental injunction could be
supported in various categories; in particular, the "Unwanted/ rejection" (2) racket, the decisions of being "No good" (6) and "Unloved" (2), and the life course response of "Get killed" (3).

The "Don't get close" injunction could be followed using the various rackets and decisions to play games and thus drive people away.

## Comparative Summary of Personality

## Patterns

In all of the personality patterns there is theoretical consistency. As mentioned earlier, Bernes' script formula is: early parental influence leads to program, leads to compliance and important behavior, which lead to payoff $(E P I \rightarrow P R \rightarrow C \rightarrow I B \rightarrow$ payoff). The early parental influences are the parental injunctions and counterinjunctions. The program, compliance and behavior are reflected in the basic positions, rackets, games, and decisions. The payoff comes at the end of the life course. In all of the personality patterns, this formula was consistent with the resultant data.

Personality Patterns D/A and A/D
There are very similar injunctions in personality patterns D/A and A/D. The primary messages are "Don't get close," and "Don't be you." It should follow then, theoretically, that there should be other similarities; there are. The basic positions are similar in all five
of the personality patterns. The decisions are similar. In the decision category there appears to be something of a rebellious attitude, but in both cases it is minor. Life courses are very similar. The most significant aspect of the life courses is that they are not (with few exceptions) fatal or death-oriented. The main differences in personality type $D / A$ and. $A / D$ are in the racket and games. In $D / A$, the main iacket is depression with a game of Cops and Robbers. In $A / D$, the main racket is anger with a game of IFWY. Therefore, it appears that the significant difference in D/A and $A / D$ is in their patterned behavior. D/A has learned to get his desired responses through the use of depression and with the game of Cops and Robbers; A/D has learned to get his desired responses through the use of anger and the corresponding game IFWY.

## Personality Pattern

$\mathrm{A}-\mathrm{D}-\mathrm{D}$ and $\mathrm{D}-\mathrm{D}$
The significant similarity in personality types $A-D-D$ and $D-D$ is in the parental injunction of "Don't exist." It appears as if heavy "Don't exist" messages lead to death-oriented life courses, such as in personality types A-D-D and D-D. In personality type A-D-LB, the "Don't exist" message is present, but not as strong in $A-D-D$ and D-D. The "Don't exist" message in $A-D-L B$ is relfected in the "Get killed" (3) response. The significant difference between $A-D-D$ and $D-D$ is that $A-D-D$ has another strong injunction, "Don't feel good about your self." Therefore, A-D-D must
go out and set himself up to feel bad. He uses any racket or game to set himself up. $D-D$ doesn't have to go out and set himself up to feel bad; he just has to stop existing and not be himself. Thus, D-D slowly fades into the sunset -- no bangs, just whimpers.

Personality pattern $A-D-D$ is similar to $D / A$ and $A / D$ in that he uses his rackets and games to live out his injunctions. The differences are in the messages. In D/A and A/D, "Don't get close" and "Don't be you" are major messages; in A-D-D they are minor. In D-D the "Don't get close" message is minor, but the "Don't be you" is of some importance. In $D-D$ the "Don't be you" is acted out through depression as in D/A. It appears as if certain messages, such as "Don't get close," "Don't be you," "Don't feel good about seif," or "Don't grow up" can be acted out in various rackets, the most frequent being anger or depression.

The patterns for personality pattern $A-D-L B$ are similar to the other patterns developed in the other personality patterns with the major difference being the introduction of a different parental injunction: "Don't grow up." This injunction has its corresponding pattern, however, and is analyzed in the previous section.

One of the unclear aspects of the resulting data is the relationship of rebelliousness in the decision category ("I don't care/fuck it," "I'll get attention by messing up," "I'll show them," "I'll mess up and enjoy it") to the rest of the categories, particularly the parental injunction.

The categories of parental counterinjunctions and contracts were of little value in determining the personality patterns. The parental counterinjunction seemed of little value because the behavior of the subjects indicated a following of parental injunctions rather than counterinjunctions. Therefore, the counterinjunctions did not appear as significant as other data in each of the personality patterns. The contract category was of little value in determining the personality pattern; however, the results of the contract categories may be significant for those interested in treatment. The contract is, essentially, an indicator of possible treatment approaches for the personality patterns. Unfortunately, it was not possible to determine if the contracts had been successful for the subjects.
VI. GENERAL CONCLUSIONS OF STUDY

The resulting data from this study have indicated that among the subjects analyzed the following conclusions can be drawn:
(1) There are commonalities that exist within the Life Script Form items;
(2) There are commonalities between the items (example: certain injunctions lead to certain rackets); and
(3) There are commonalities within total life scripts that can be categorized as personality patterns.

Aside from these three major concerns of the study two other general conclusions were drawn from the resulting data:
(1) Eric Bernes' script formula appears theoretically consistent;
(2) There exist within the institutions certain inconsistencies in regard to TA terminology.

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Personal Interview with Paul McCormick, Research Department for California Youth Authority, Stockton, Ca.

Personal Interview with John James, Director of the Oasis School for Problem Adolescents, Lafayette, Ca.

APPENDIX A

## LIFE SCRIPT QUESTIONNAIRE <br> AND <br> LIFE SCRIPT FORM

## A LIFE SCRIPT QUESTIONNAIRE*

| Full Name Date |  |
| :---: | :---: |
| Birthdate Interviewer |  |
| 1. Describe yourself briefly. | BP, D |
| 2. Describe your mother briefly | PI, © |
| 3. Describe your father briefly. | PI, CI |
| 4. What does your mother say when she compliments you? | PI, CI, BP |
| 5. What does she say when she criticizes you? | PI, CI, BP |
| 6. What is her main advice to you? | PI, CI, BP |
| 7. What does your father say when he compliments you? | PI, CI, BP |
| 8. What does he say when he criticizes you? | PI, CI, BP |
| 9. What is his main advice to you? | $\mathrm{PI}, \mathrm{CI}, \mathrm{BP}$ |
| 10. What nicknames have people called you? <br> What do the names mean? | BP |
| 11. What do you want to be when you?re an adult? | D, C |
| 12. What does your mother want. you to be? | PI, CI, BP |
| 13. What does your father want you to be? | PI, CI, BP |
| 14. What do you like most about yourself? | PI, CI, BP |
| 15. What do you like least about yourself? | PI, CI, BP |
| 16. Do you ever feel that something might be wrong with you? (If yes, ask what) | BP |

[^1]17. How many times have you been arrested? G
18. How did the police usually catch you? G
19. Describe the bad feelings you have had most often in your life.

R
20. When did you first feel it? D, BP
21. What was your favorite child story?
p
22. What was your favorite part of it?

P
23. If you continued to go along the way you were going before your last arrest, what would you be doing five years from today?

D
24. If you follow through on what you are now planning for yourself, what will you be doing five years from today?

C
25. How do you think you might die? At what age?

P, D
26. What will it say on your tombstone? D
27. What would "heaven on earth" be for you? D
28. What do you wish your mother had done differently?

C
29. What do you wish your father had done differently?
30. If by magic you could change anything about yourself, what would you change? D,C
31. What do you want most out of life? C
32. What is your biggest problem? C
33. Do you want to be sure before you leave here that you have made whatever decisions you have to make so that you will never be in trouble again?

C
34. What about yourself will you change while you are here?
35. What will you do while you are here to make those changes?
36. How will you and I both know, while you are here, that you have reached your goal?

C
37. How will reaching that goal stop you from ever being in trouble again?

C

$$
\text { KEY: } \begin{aligned}
\mathrm{BP} & =\text { Basic Position } \\
\mathrm{C} & =\text { Contract } \\
\mathrm{CI} & =\text { Counterinjunction } \\
\mathrm{D} & =\text { Decision } \\
\mathrm{G} & =\text { Game } \\
\mathrm{P} & =\text { Program } \\
\mathrm{PI} & =\text { Parental Injunction } \\
\mathrm{R} & =\text { Racket }
\end{aligned}
$$

# Parental Injunction (message from parent's Child): 

 "Don't . . .Counterinjunction (from parent's Parent): "Do . . .

Basic Position (of Child):

## Racket"

Favorite Game:

Decision (e.g., "I'll probably never make it"):

Program for Life Course (how to obey injunction):

Contract (Agree only to goals that you and ward can see him reach in treatment.):

## APPENDIX B

## LIST OF RESPONSES TO

EIGHT CATEGORIES OF LIFE SCRIPT :FORM

Parental Injunctions
01 Don't act stupid
02 Don't aim too high
03 Don't be a little boy
04 Don't be around
05 Don't be crazy
06 Don't be dependent
07 Don't be good
08 Don't be happy
09 Don't be honest with yourself
10 Don't be important
11. Don't be in control

12 Don't be independent
13 Don't be interested
14 Don't be like your dad
15 Don't be nasty
16 Don't be predictable
17 Don't be proud
18 Don't be responsible for actions
19 Don't be responsible for feelings
20 Don't be sane
21 Don't be smart
22 Don't be straight
23 Don't be successful
24 Don't be too much trouble
25 Don't be you
26 Don't bother me

Parental Injunctions (continued)
27 Don't care
28 Don't deserve feeling good
29 Don't do anything right
30 Don't do wrong/be bad
31 . Don't enjoy
32 Don't exist/be
33 Don't express self
34 Don't feel
35 Don't feel good about yourself
36 Don't feel wanted
37 Don't get a bad reputation
38 Don't get caught
39 Don't get close
40 Don't go out of the house
41 Don't go to jail
42 Don't grow up
43 Don't have fun working
44 Don't hurt others
45 Don't hurt yourself
46 Don't let the neighbors see you as a bum
47. Don't live for yourself

48 Don't make decisions
49 Don't make it
50 Don't quit trying
51 . Don't think
52 Don't get into trouble
*Note: Number at left is the coded response for computer programming.

## Parental Counterinjunctions

1. Do as I say

02 Do try
03 Do avoid getting caught
04 Do be a failure
05 Do be a gentleman
06 Do be a good worker
07 Do be a man
08 Do be an adult
09 Do be a professional man
10 Do be crazy
11 Do be friendly
12 Do be good/right
13 Do be happy
14 Do be helpful
15 Do be honest
16 Do be independent
17 Do be liked
18. Do be like others

19 Do be like your father
20 Do be perfect
21. Do be productive

22 Do be proud
23 Do be quiet
24 Do be resourceful
25. Do be tough

26 Do better

Parental Counterinjunctions (continued)
27 Do be you
28 Do control yourself/be cool
29 Do drink
30 Do express feelings
31 Do feel
32 Do get along
33 Do-get a job
34. Do get involved

35 Do get out/lost
36 Do go to jail
37 Do go to school/college/educated
38 Do grow up
39 Do have a good life
40 Do hurt
41 Do it my way
42 Do join the Army
43 Do learn to read
44 Do live for mom/dad
45 Do make something out of yourself
46 Do make the right decision
47 Do obey the law
48 Do pray
49 Do run away
50 Do stay in the house
51 Do stay out of trouble
52 Do stop drinking

Parental Counterinjunctions (continued)
53 Do stop taking drugs
54 Do straighten up
55 Do succeed
56 Do take care of yourself
57 Do think
58 Do think about when you're older
59 Do think before acting
60 Do understand others
61 Do watch your temper
62 Do what you want
63. Do work hard

64 Do your best
65 Do be a nice and decent person
66 Do admit when you're wrong
67 Do be responsible
68 Do get close
69 Do exist

## Basic Position

01 I'm OK: You're OK
02 I'm OK: You're not-oK
03 I'm OK: You're OK sometimes
04 I'm not-OK: You're OK
05. I'm not-OK: You're OK sometimes

06 I'm not-OK: You're not-OK
07. I'm not-OK sometimes: You're not-oK sometimes

08 I'm not-OK sometimes: You're OK
09 Am I OK?
10 I'm not-ok
11 I'm OK
12 I'm OK at times and not-oK at times

## Racket

01 Anger
02 Anxiety
03 Being wronged
04 Confusion
05 Craziness
06 Depression
07 Despaix
08 Disappointment
09. Frustration

10 Guilt
11 Helplessness
12. Inadequacy

13 Loneliness
14 Nervousness
15 Resentful
16 Rejection/unwanted
17 Unloved
18 Withdrawn
19 Worry
20 Failure
21 Fear

## Games

01 Addict
02 Ain't It Awful
03 Alcoholic
04 Be Bad
05 : Confusion
06 Cops and Robbers
07-Cīazy
08 Debtor
09 "Do Me Something
10 Help Me If You Can/Just Try and help me
11. How Do I Get Out Of Here

12 If It Weren't For You/Them
13 Kick Me
14 Let's Make Points
15. Let You And Him Fight

16 NIGYSOB
17 Out Goes The Therapist
18 Poor Me
19 Procrastination
20 Rescue Me
21 Slaughter Me
22 Street Hustle
23 There I Go Again
24 Uproar

Games (continued)
25 Victim
26 Waiting For Santa Claus
27 Why Me
28 Wooden Leg
29 Yes, But
30 Stupid

Decision
01 I'11 never make it
02 I'll never make it straight/out there
03 I won't get close
04 I'll die
05. I'm like my parents/mom/dad

06 I have no will power
07 I am unloved/unwanted/no one cares
08 I don't care/fuck it
09 I don't deserve happiness
10. I'm no good/not-ok/shit/a rat/born loser

11 My okness depends on others
12 I'll show them/her/him
13 I'll get attention by messing up
14 I won't ever grow up
15 I can't do anything right
16 I'11 run
17 I can't be like mom and dad want me to be
18 I'll mess up and enjoy it
19 I'll never catch up
20 There isn't much to live for
21. I'll never get a good job

22 I don't know what to do
23 It is their fault/cops/parents/friends, etc.
24 I will continue as is/trouble
25 I'll never try
26 Someone else will always run my life

Decision (continued)
27 I'll be lonely -- remain alone
28 I have to get over the hump
29 I'm not responsible
30. I'll get better as I get older

31 I'11 feel sorry for myself
32 I'11 succeed
33 I'll kill
34 I'll make it one way or another
35 I'll live forever
36 I'm crazy
37 Life is too hard
38 I have to go through hell first
39 I'll be loud so people will leave
40 I can't be perfect
41 I'll be a bum
42 I'm not important
43 I'm stupid
44 I can't trust anyone
45 I'll work
46 I'11 use dope

## Life Course

01 Addict
02 Alcoholic
03 Angry
04 Be a leader
05 Be a follower
06 Be a protector of family
07 Be put in jail
08 Be put in institution (crazy house)
09 Be responsible for others feelings
10 Be stupid
11 Blame others
12 Confusion
13 Depression
14 Failure
15 Get attention
16 Get close
17 Get killed
18 Give up
19 Guilt
20 Hustle
21 Irresponsible/not responsible for self/dependent
22 Live in fantasy world
23 Murder someone
24 No control over self
25 Open up to others
26 Permission to feel
Life Course (continued)
27 Run
28 Stay a little kid
29 Sexual deviant/homosexual
30 Suicide
31 Turn off people
32. Unhappy
33 Withdrawal
34 Straighten up
35 Get myself injured/messed up/accident
36 Be in trouble
37 Set up to be bossed around
38 Get by

## Contracts

01 I will feel good/loved about myself
02 I will love others
03 I will be a winner
04 I will stay out of a depression racket
05 . I will stop feeling stupid/will feel smart
06 I will stop feeling weak/will feel strong
07 I will deal with anger feelings
08 I will stay out of guilt racket
09 I will stop feeling hopeless
10 I will be concerned with/help/get along with others
11 I will get close
12. I will work on problems/check them out/work in group

13 I will work on "running away" feelings
14 I will stop running away
15 I will stop fighting
16 I will deal with parental feelings
17 I won't give up
18 I won't mess up
19 I won't go crazy
20 I won't steal
21 I won't be frightened of making decisions
22 I will stop waiting for mom and dad to change
23 I will get a job
24 I will avoid imprisonment
25 I will avoid death
26 I will take no for an answer

Contracts (continued)
27 I will control my feelings
28 I will quit living for others/become autonomous
29 I won't commit suicide accidently or on purpose
30 I won't hur myself accidently or on purpose
31 I will be straight with my feelings/honest
32 I will not feel bad about things I can't change
33 I will live in the here and now
34 I will make decisions on fact/reality not feelings/ fantasy/thinking before acting

35 I will be responsible for my actions and feelings
36 I will stop blaming others
38 I won't play games/get hooked by others
39 I will stop fronting
40 I will work on old decisions I made
41 I will be mature
42 I will build my self-confidence
43 I will stop being a follower
44 I will change
45 I will go to school/get a H.S. diploma
46 I will deal with unloved feelings/bad feelings
47 I will do acceptable behavior/follow the law
48 I will decide about drugs
49 I will use TA more
50 I will pick better friends
51 I will watch what I say

Contracts (continued)
52 I will make a decision on my life course
53 I will learn to read.
54 I will listen to others
55 I won't manipulate others
56 I won'.t discount others
57 I will do constructive things
58 I will feel good about good decisions/accomplishments/ make good decisions

## APPENDIX C

CODED RESPONSES TO EIGHT CATEGORIES OF LIFE SCRIPT FORM

## GROUP 1

| Subject | 1 | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0.377 .30 | 0.68946 | -0.12807 | -0.18467 | -0.14745 |
|  | 0.05989 | 0.03706 | 0.25347 | 0.39529 | 0.52338 |
|  | -0.23710 | 0.01996 | 0.05701 | 0.12263 | 0.13701 |
|  | -0.51229 | 0.10504 | -0.10556 | 0.60738 | 0.19360 |
|  | 0.05060 . | -0.07099 | 0.64597 | -0.03917 | 0.22774 |
|  | 46.5\%* | 49\%* | $51 \%$ * | 57\%* | $40 \%$ * |


| 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: |
| 0.63195 | 0.23044 | 0.15029 | 0.29796 | 0.58384 |
| 0.2571 | -0.08293 | 0.60501 | 0.07252 | 0.00463 |
| 0.27491 | 0.56746 | 0.08937 | 0.67933 | 0.22542 |
| 0.28478 | 0.26331 | 0.10454 | 0.12703 | -0.07523 |
| 0.04604 | 0.22424 | 0.15046 | -0.14647 | -0.01699 |
|  |  |  |  |  |
| 11 | 12 | 13 | 14 | 15 |
|  |  |  |  |  |
| -0.05473 | 0.45569 | 0.45836 | 0.54782 | -0.02450 |
| 0.05628 | 0.0775 | 0.36425 | -0.09400 | 0.00011 |
| 0.59873 | 0.58866 | -0.14062 | 0.14521 | -0.14596 |
| 0.00718 | 0.25600 | 0.32587 | -0.04082 | 0.11421 |
| -0.06773 | -0.04715 | 0.22165 | 0.04021 | 0.57962 |


| 16 | 17 | 18 | 19 | 20 |
| :---: | :---: | :---: | :---: | :---: |
| -0.01857 | -0.05534 | 0.26024 | 0.44886 | 0.25173 |
| -0.18193 | -0.55249 | 0.15585 | -0.11876 | 0.1059 |
| 0.25750 | 0.01485 | 0.53565 | 0.17893 | 0.23793 |
| 0.65013 | 0.28809 | 0.02365 | 0.19529 | 0.67228 |
| 0.06681 | 0.20640 | 0.41028 | 0.58146 | 0.08908 |

*NOTE: The \% given at bottom of raw data of various subjects is the \% of the five personality type characteristics totaled in comparison to total personality. For example - the five personality types ${ }^{\prime}$ characteristics make up $46.5 \%$ of subject 1 's total personality.

## GROUP 2

| Subject - 21 | 22 | 23 | 24 | 25 |
| :---: | :---: | :---: | :---: | :---: |
| 0.47129 | 0.66899 | 0.17591 | 0.09095 | -0.07621 |
| -0.14919 | 0.12793 | 0.27957 | 0.10031 | -0.24493 |
| 0.33373 | 0.02729 |  | 0.07409 | 0.10782 |
| 0.15552 | 0.05710 | -0.08143 | -0.08025 | 0.55914 |
| 0.43663 | 0.09802 | 0.46266 | 0.77085 | 0.40363 |
| 26 | 27 | 28 | 29 | 30 |
| 0.58994 | 0.29408 | 0.28913 | 0.53388 | 0.18226 |
| -0.04178 | 0.10461 | -0.00868 | 0.05572 | -0.03323 |
| 0.11501 | 0.10235 | 0.69778 | 0.67615 | 0.65092 |
| 0.13884 | 0.13279 | -0.14688 | -0.08217 | 0.20314 |
| 0.41497 | 0.65832 | $\underline{-0.03436}$ | 0.21835 | 0.49841 |
| 55\% | $\therefore 55 \%$ | 59\% | 72\% | 75\% |
| - 31 | - 32 | 33 | 34 | 35 |
| 0.73067 | 0.08591 | 0.09623 | 0.11699 | -0.02641 |
| -0.03787 | -0.13504 | 0.20087 | 0.19143 | 0.61825 |
| 0.21608 | 0.70797 | -0.13288 | 0.00024 | 0.14020 |
| 0.03620 | 0.26181 | 0.63797 | 0.51533 | 0.20979 |
| $0.08920$ | $0.17210$ | 0.12609 | -0.07716 | -0.02281 |
| Example <br> \#1 | ExanipTe <br> \#3 |  |  |  |
| 36 | 37 | 38 | 39 | 40 |
| 0.17599 | 0.01190 | -0.00328 | -0.21797 | 0.48179 |
| 0.65326 | 0.16207 | 0.65262 |  | 0.19577 |
| -0.02536 | 0.29379 | -0.11036 | 0.50600 | 0.07396 |
| 0.06416 | 0.61389 | 0.12371 | 0.14825 | 0.45763 |
| 0.12519 | -0.07265 | 0.04154 | 0.05939 | 0.07093 |

## GROUP 3



GROUP 4


# APPENDIX D <br> COMPUTER PROGRAM OF DATA <br> FOR <br> RESULTS IN PROGRAM B 

Biomedical Computer Programs<br>W. J. Dixon, Editor<br>University of California Press, 1971 pp. 169-184

Class M - Multivariate Analysis

BMD03M
GENERAL FACTOR ANALYSIS

GENERAL DESCRIPTION
a. This program performs a principal component solution and an orthogonal rotation of the factor matrix.

Data input to this program may be in the form of raw data, a correlation matrix, or a factor matrix. Data input may be read in from punched cards, BCD tape, or binary tape.

Communalities are estimated from the squared multiple correlation coefficients or the maximum absolute row values, or they may be specjfied by the user and will replace the set of ${ }^{r}$ ii in the main diagonal of the correlation matrix.
b. Output from this program includes:
(1) Means and standard deviations
(2) Correlation matrix
(3) Eigenvalues including cumulative proportions of total variance
(4) Eigenvectors
(5) Factor matrix
(6) Factor check matrix
(7) Orthogonal rotated factor matrix
(8) Original and successive variances
(9) Check on communalities
(10) Factor scores printed or on tape
(1)-(10) are included if input is raw data.
(2)-(9) are included if input is a correlation matrix.
(5), (7)-(9) are included if input is a factor matrix.
c. Limitations per problem:
(1) $p$, number of variables $(2 \leq p \leq 80)$
(2) $n$, number of cases ( $2 \leq n \leq 9999$ )
(3) $m$, maximum number of factors (to be rotated) ( $2 \leq m \leq p$ )
(4) $k$, number of Variable Format Caxd(s) $(1 \leq k \leq 6)$
d. Estimation of running $t$ ime and output pages per problem:

Number of seconds $=30+p^{3} / 100+p \quad($ for 1BM 7094)
Nurnber of pages $=10+\mathrm{p} / 6$
e. The number of factors to be rotated is determined by the smallex of the following two numbers:
(1) the number of eigenvalues which are greater than $c(c \geq 0)$, where $c$ is specified by the user in Col. 23-28 of the Problem Card, or
(2) the number of factors specified by the user in Col. 21, 22 of the Problem Card.

## 2. ORDER OF CARDS IN JOB DECK

Cards indicated by letters enclosed in parentheses are optional.
All other cards must be included in the order shown.
a. System Cards
[Introduction, IV]
b. Problem Card
c. F-type Variable Format Card(s)
[Introduction, III-C]
(d.) F-type Variable Format Card for
[Introduction, III-C]
Factor Scores Output (l card only)
e. DATA INPUT Cards
(if data input is from cards)
[Introduction, II-C]
or Correlation Matrix (if from cards)
or Factor Matrix (if from cards)
(f.) Communality Estimates Card(s)

Repeat b. through (f.) as desired
g. Finish Card
[Introduction, III-D]

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## Example of Job Deck Set-up:


3. CARD PREPARATION (SPECIFIC FOR THIS PROGRAM)

Preparation of the cards listed below is specific for this program. All other cards listed in the preceding section are prepared according to instructions in the Introduction.
b. Problem Card (One Problem Card for each prob:em)
Col. 1-6
PRDBLM
(Mandatory)

Col. 7-12 Alphanumeric job code
Col. $13,14\left\{\begin{array}{l}\text { Number of variables, if input is raw data }(2 \leq p<80) \\ \text { Order of matrix if input is a correlation matrix } \\ (2 \leq p \leq 80) \\ \text { Number of variables if input is a factor matrix } \\ (2 \leq p \leq 80)\end{array}\right.$

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Col. 15-18 $\left\{\begin{array}{l}\text { Number of cases if input is raw data }(p \leq n \leq 9999) \\ \text { Blank if input is a correlation matrix } \\ \text { Blank if input is a factor matrix }\end{array}\right.$
Col. $19 \cdots \begin{cases}1 & \text { If input is raw data } \\ 2 & \text { If input is a correlation matrix } \\ 3 & \text { If input is a factor matrix }\end{cases}$
(1 Diagonal elements are unity for communality estimation. If input is a correlation matrix diagonal elements are not altexed
2 Diagonal elemerts are squared multiple correlation coefficient for communality estimation.
Col. 20
3 Diagonal elements are maximum absolute row value for communality estimation.
4 Diagonal elements are supplied by the user for communality estimation (see card (f.)).
0 If input is a factor matrix.
Col, $21,22\left\{\begin{array}{l}\text { Number of factors to be rotated if input is raw data or } a \\ \text { correlation matrix }(2 \leq m \leq p) . \\ \text { Number of factors if input is a factor matrix }(2 \leq m \leq p) . \\ \text { If no rotation is desired, leave blank. }\end{array}\right.$
Col, 23-28 $\left\{\begin{array}{l}\text { Limiting value for rotation as described in } 1-e(1) \\ \text { (keypunch decimal) }\end{array}\right.$
Col. 2.9,30 $T_{1}$ Logical tape number for output of Factor Scores $\left(T_{1} \neq 5\right)$
Col. 31,32 $\left\{\begin{array}{l}\text { Number of Factors to have Factor Scores Output } \\ \text { If blank, the number rotated is used. }\end{array}\right.$
Col. 33-67 Blank
Col. 68-70 $\begin{cases}000 & \text { Data input from cards } \\ +T & \text { Data input from logical BCD tape } T \\ -T & \text { Data input from logical binary tape } T\end{cases}$
Col. 71, $72\left\{\begin{aligned} 00 & \text { Data input from logical binary tape } T \\ k & \text { Number of Variable Format Card(s) }(1 \leq k \leq 6)\end{aligned}\right.$
(d.) F-type Variable Format Card for Factor Scores Output

This format should specify an integer field for the case number preceding the set of Factor Scores for that case. Care must be excreised to use the first character for carriage control if the output tape is logical 6.
e. DATA INPUT Cards
(1) Raw Data

This form of input is prepared as describod in the Introduction, Section II-C, Standard DATA INPUT Cards.

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(2) Correlation Matrix

This form of input is illustrated by the following matrix of correlation:

$r_{21} \quad r_{22} \quad r_{23} \quad \cdot \quad r_{2 p}$


The entire matrix is keypunched row-wise. The $i^{\text {th }}$ row ( $r_{i 1}, r_{i 2}, \ldots, r_{i p}$ ) is keypunched from left to right across the card and on to successive cards if required. Begin a new card for each row. Field width is determined by the variable format supplied by the user.
(3) Factor Matrix

This form of input is illustrated by the following matrix:


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The entire matrix is keypunched row-wise. The $i^{\text {th }}$ row, ( $f_{i 1}, f_{i 2}, \ldots, f_{i m}$ ) is keypunched from left to right across the card and on to successive cards if required. Begin a new card for each'row. Field width is determined by the variable format supplied by the user.

## (f.) Communality Estimates Caxd(s)

Col. 1-6. CDiNMOIN
(Mandatory)
Col. 7-12 $\quad r_{1,1}$ value
Col. 13-18 $r_{2,2}$ value

Col. 67-72 $r_{11,11}$ value
If there are more than eleven values (variables), continue keypunching a second, a third, etc. caxd in the same manner.

Col. 1-6 CDMMUN
(Mandatory).
Col. 7-12

$$
r_{12,12} \text { value }
$$

Col. 13-18

$$
r_{13,13} \text { value }
$$

etc.

Keypunch decimal points. Leading zeros may be indicated by blanks or punched zeros. Positive signs need not be punched.

## 4. COMPUTATIONAL PROCEDURE

Step 1. (If input is raw data)
The data are in the form $X_{i j},\langle i=1,2, \ldots, n$, cases $\rangle,\langle j=1,2, \ldots$,
$p$ variables,

Means:

$$
\bar{X}_{j}=\sum_{i=1}^{n} X_{i j} / n \quad \begin{array}{ll}
i=1,2, \ldots, n \\
j=1,2, \ldots, p
\end{array}
$$

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Standard Deviations:

$$
s_{j}=\sqrt{\sum_{i=1}^{n}\left(x_{i j}-\bar{x}_{j}\right)^{2}}
$$

Carrelation Coefficients: $\mathrm{r}=\sum_{\alpha=1}^{n}\left(\mathrm{X}_{\alpha \mathrm{i}}-\bar{X}_{\mathrm{i}}\right)\left(\mathrm{X}_{\alpha j}-\bar{X}_{j}\right)$

$$
\begin{aligned}
& \sqrt{\sum_{\alpha=1}^{n}\left(X_{\alpha i}-\bar{X}_{i}\right)^{2}} \\
& i=1,2, \ldots \ldots p \\
& j=1,2, \ldots, p
\end{aligned}
$$

Step 2. (If input is raw data or a correlation matrix)
The diagonal elements of the correlation matrix are adjusted by one of the following options:
(1) Unity in diagonal (or no adjustment if input is a correlation matrix)
(2) Squared multiple correlation coefficient in diagonal using the
formula

$$
R_{i}^{2}=1-1 / r^{i i},(i=1,2, \ldots, p)
$$

where $r^{i i}$ are the diagonal elements of the inverse of $r_{i j}$
(3) Maximum absolute row value of $r_{i j}, j \neq i$
(4) The user specifies the $r_{i j}$ on the Communality Estimates Card(s).

Step 3. (If input is raw data or a correlation matrix)
The $p$ eigenvalues and $p$ eigenvectors of the adjusted correlation matrix $R$ are obtained, solving the system

$$
R V=V \lambda, V^{T} V=I
$$

Let $\lambda_{j}$ be the $j^{\text {th }}$ eigenvalue, and $\beta_{j}=\left(v_{1 j}, v_{2 j}, \ldots, v_{p j}\right)$ be the $j^{\text {th }}$ eigenvector.

Step 4. (If input is raw chata or a correlation matrix)
According to the value $c(c \geq 0)$, keypunched in Columns 23-28 of the Problem Card, the program examines the eigenvalues and sets one limit on the number of factors to be rotated. Let this number be_!

The program determines $q$, the number of factors to be rotated, using the formula

$$
q=\min (l, m)
$$

where $m$ is keypunched in Columns 21, 22 of the Problem Card.
Step 5. (If input is raw data or a correlation matrix)
The coefficients of each factor are obtained by multiplying the square root of each eigenvalue by its associated eigenvector, namely:

Then the $p \times q$ factor matrix, $A=\left(a_{i j}\right)$, is printed out.
Step 6. (If input is raw data or a correlation matrix)
The factor check matrix.
(a) If the number of variables and the number of factors are the same, namely $p=q$, the check matrix is computed as follows:

$$
C=A \cdot A^{T}
$$

$C$ is the adjusted correlation coefficient matrix.
(b) If $p \neq q$, the check matrix is computed as follows:

$$
C=A^{T} \cdot A
$$

$C$ is the $p \times q$ matrix which contains the eigenvalues in the diagonal.

Step 7. (If input is a factor matrix, then $q=m$ )
After the $p \times q$ factor matrix with $q$ principal components is obtained,

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the program performs orthogonal rotations on this matrix to maximize

$$
V=\sum_{j}\left[p \sum_{i}\left(a_{i j}^{2} / h_{i}^{2}\right)^{2}-\left\{\sum_{i}\left(a_{i j}^{2} / h_{i}^{2}\right)\right\}^{2}\right]
$$

where $i=1, \ldots, p$ are variables $j=1, \ldots, q$ are factors, and
$h_{i}^{2}$ is the communality of the $i^{\text {th }}$ variable
defined below
Step 8. The following items are computed:
Communalities $\quad h_{i}^{2}=\sum_{j} a_{i j}^{2}$
Normalized Factor Matrix $b_{i j}=a_{i j} / \sqrt{h_{i}^{2}}$
Step 9. * The variance is computed for:
Factórs

$$
S_{j}=\left[p \sum_{i}\left(b_{i j}^{2}\right)^{2} \cdots\left(\sum_{i} b_{i j}^{2}\right)^{2}\right] / p^{2}
$$

Matrix

$$
v_{c}=\sum_{j} s_{j} \quad c=1,2,3, \ldots
$$

Also the following convergence test is performed:
If $\left|V_{c}-V_{c-1}\right|<10^{-7}$ four successive times, the program goes to Step 13; otherwise, it goes to Step 10.
Step 10.
The maximization criterion will be carried out using two factors at a time. For this purpose the following notation for an orthogonal rotation is convenient:

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$\left[\begin{array}{cc}x_{1} & y_{1} \\ x_{2} & y_{2} \\ \cdot & \cdot \\ \cdots & \cdot \\ x_{p} & y_{p}\end{array}\right] \quad x\left[\begin{array}{ll}\operatorname{Cos} \phi & -\operatorname{Sin} \phi \\ \operatorname{Sin} \phi & +\operatorname{Cos} \phi\end{array}\right] \quad\left[\begin{array}{ll}x_{1} & Y_{1} \\ X_{2} & Y_{2} \\ \cdot & \cdot\end{array}\right]$
where $x_{i}$ and $y_{i}$, the present normalized coefficients (factor loadings), are treated as constants, and $X_{i}$ and $Y_{i}$, the desircd normalized loadings, are functions of $\phi$, the angle of rotation. Necessary conditions for a maximum are:
a)

Computation of $\phi^{\prime}$
$A=\sum\left(x_{i}+y_{i}\right)\left(x_{i}-y_{i}\right)$
$3=2 \sum x_{i} y_{i}$
$C=\sum\left[\left(x_{i}+y_{i}\right)\left(x_{i}-y_{i}\right)+2 x_{i} y_{i}\right]\left[\left(x_{i}+y_{i}\right)\left(x_{i}-y_{i}\right)-2 x_{i} y_{i}\right]$
$D=4 \sum\left(x_{i}+y_{i}\right)\left(x_{i}-y_{i}\right) x_{i} y_{i}$
$N U M=D-2 A B / p$
$D E N=C-[(A+B)(A-B)] / p$
$\phi^{\prime}=1 / 4$ ARCTAN (NUM/DEN)
b) Small angle test

If $\phi^{\prime} \leq 1 / 4$ degree, essentially zero, the program goes to
Step 12 for the next rotation; otherwise, it goes to Step 11.
Step 11. Sufficient conditions for maximum:
a) If DEN is positive, the program computes:

$$
\begin{aligned}
& |\cos \phi|=\cos \phi^{\prime} \\
& |\sin \phi|=\sin \phi^{\prime}
\end{aligned}
$$

Otherwise, tisamputes:

$$
\begin{aligned}
& |\cos \phi|=(\sqrt{2} / 2)\left(\cos \phi^{\prime}+\sin \phi^{\prime}\right) \\
& |\sin \phi|=(\sqrt{2} / 2)\left(\cos \phi^{\prime}-\sin \phi^{\prime}\right)
\end{aligned}
$$

b) If NUM is positive, the program computes:

$$
\cos \phi=|\cos \phi|
$$

$$
\sin \phi=|\sin \phi|
$$

and goes to Step 12. Otherwise it computes:

$$
\begin{aligned}
& \cos \phi=|\cos \phi| \\
& \sin \phi=-|\sin \phi|
\end{aligned}
$$

and goes to Step 12.

## Step 12.

The single-plane rotations (Steps 10 and 11) are made on the normalized factors $\left(b_{i j}\right) 1$ with 2,1 with $3, \ldots, 1$ with $q, 2$ with 3 , $\ldots, 2$ with $q, \ldots, q-1$ with $q$. This completes one iteration cycle. The program then goes to Step 9 .

## Step 13.

The final rotated normalized factor matrix ( $\mathrm{b}_{\mathrm{ij}}$ ) is unnormalized by means of the formula $a_{i j}=b_{i j} h_{i}$ and the rotated unnormalized factor matrix $A=\left(a_{i j}\right)$ is printed. The final commonalities are computed, as well as their differences from the original commonalities. Then the rotated factor matrix, the original and successive variance, and the check on commonalities are printed out.

## Step 14.

Standardized scores $z_{i j}=\left(x_{i j}-\bar{x}_{i}\right) / A_{j}$ are computed. Each row vector $z_{i}=\left(z_{i r}, \ldots, z_{i p}\right)$ is used to produce a vector $f_{i}=\left(f_{i 1} l^{j} \ldots, f_{i g}\right), f_{i}=z_{i} R^{-1} A$, and these are printed.

## 5. REFERENCES

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## APPENDIX E

RAW DATA FOR FOUR GROUPS OF TWENTY SUBJECTS


| PARENDAL INJ. | COUNIERINJ. | $\begin{gathered} \text { BASIC } \\ \text { POSITION } \end{gathered}$ | RACKET | GAME | DECISION | PROGRAM LIFE COURSE | CONTRACT | I.D. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| 102532 | 000000 | 000000 | 000604 | 000001 | 000042 | 140133 | 003546 | 034 |
| 423435 | 004455 | 000000 | 000110 | 001218 | 000108 | 000018 | 313408 | 035 |
| 003925 | 002604 | 000000 | 001301 | 002801 | 000108 | 030330 | 280735 | 036 |
| 321442 | 485337 | 000000 | 000610 | 120218 | 000000 | 130717 | 283035 | 037 |
| 003925 | 000012 | 000000 | 0.00020 | 000012 | 000008 | 231114 | 003531 | 038 |
| 4225 | 003351 | 000000 | - 0 | 002518 | 000013 | -031730 | 343827 | 039 |
| 000004 | 006537 | 000000 | 060401 | 120628 | 000143 | 000730 | 353004 | 040 |
| 002532 | 666223 | 000000 | 000106 | 061312 | 004426 | 140308 | 000000 | 041 |
| 394925 | 005138 | 000000 | 061301 | 122401 | 000001 | 130711 | 070104 | 042 |
| 424939 | 375745 | 000004 | 000601 | 181216 | 130712 | 031311 | 343132 | 043 |
| 000032 | 000016 | 000000 | 001816 | 001318 | 070910 | 003507 | 000001 | 044 |
| 000000 | 001204 | 000000 | 000410 | 000017 | 000001 | 000007 | 000512 | 045 |
| 000025 | 000001 | 000000 | 000006 | 000801 | 000110 | 000000 | 423501 | 046 |
| 000014 | 000027 | 000000 | 000010 | 000004 | 000010 | 000001 | 000130 | 047 |
| 1.83932 | 006212 | 000000 | 001601 | 001218 | 000000 | 000000 | 121507 | 048 |
| 003941 | 333712 | 000000 | 000106 | 122518 | 070801 | 000007 | 004704 | 049 |
| 182524 | 025164 | 000000 | 000006 | 000006 | 001210 | 000000 | 040146 | 050 |
| 000032 | 000057 | 00001.0 | 000006 | 001813 | 000010 | 173013 | 35.3132 | 0.52 |
| 393225 | 000044 | 000000 | 000013 | 0.00013 | 000708 | 000000 | 1.00104 | 052 |
| 392532 | 006212 | 000000 | 000106 | 000005 | 000807 | 003507 | 040107 | 053 |
| 184239 | 000007 | 000000 | 002119 | 021318 | 000001. | 000011 | 354710 | 054 |
| 480632 | 674851 | 000000 | 161706 | 061330 | 034301 | 141308 | 432935 | 055 |
| 391032 | 004420 | 000000 | 000106 | 120613 | 080711 | 242707 | 343835 | 056 |
| 324225 | 454212 | 000000 | 020106 | 122807 | 001510 | 130730 | 000000 | 057 |
| 000049 | 000055 | 000000 | 000104 | 000003 | 000001 | 000014 | 274012 | 058 |
| 102503 | 445114 | 000000 | 000910 | 002313 | 000711 | 002021 | 003135 | 059 |
| 000025 | 003644 | 000000 | 000006 | 000006 | 00708 | 003607 | 100704 | 060 |
| 140725 | 375112 | 000010 | 000106 | 000612 | 410810 | 071730 | 390335 | 061 |
| 142532 | 333612 | 000010 | 180106 | 001613 | 010710 | 000022 | 043507 | 062 |
| 002551 | 000001 | 000000 | 000301 | 000012 | 001117 | 102429 | 270701 | 063 |
| 000029 | 003867 | 000000 | 000006 | 001812 | 002915 | 031330 | 354104 | 064 |
| 000025 | 000020 | 000000 | 000006 | 001013 | 040901 | 361330 | 043101 | 065 |
| 003225 | 465544 |  | 000006 | 000006 | 000327 | 000708 | 015727 | 066 |



PARENTAI; COUNTER- BASIC
TNJ. $\left\lvert\, \begin{aligned} & 184 \\ & 514 \\ & 115 \\ & 000 \\ & 000 \\ & 422\end{aligned}\right.$

0

000025000055 $000042 |$| 000007 |
| :--- |
| 002551 |

342518125765

| 000042 |  |
| :--- | :--- |
| 000042 | 000051 |
| 183712 |  |

252332003743
254234605765
00
$\left.\begin{aligned} & 392351 \\ & 000042\end{aligned} \right\rvert\, \begin{aligned} & 555768 \\ & 000049\end{aligned}$
$\left.\begin{array}{l}000042 \\ 000023\end{array}\right]\left[\begin{array}{l}000049 \\ 000038\end{array}\right]$

| 000042 |
| :--- | :--- |
| 000039 |\(| \begin{aligned} \& 000038 <br>

\& 076512\end{aligned}\)
003925
003951
003932
000039

$000012 |$| 001227 |
| :--- | :--- |
| 004013 |

000031 003921 003951005755 251934
000032 00295] 395132

INJ. POSITIO $\left|\begin{array}{l}001251 \\ 335113 \\ 000022 \\ 000069 \\ 000712 \\ 573855 \\ 000037 \\ 000055 \\ 000007 \\ 156572\end{array}\right|\left|\begin{array}{l}0 \\ 0\end{array}\right|$
 000010 000004 00006 000006 00004 000010 000004 000001 000004 000004 000004 000004 000008 000006 000004 000010 000010

- RACKET 0000110000001 000005001006 00001000006 000001000011 000004000106 000006160106
$\left|\begin{array}{l}000001 \\ 000001 \\ 000001 \\ 000010 \\ 001306 \\ -061210 \\ 001210 \\ 000016 \\ 000012 \\ 060110 \\ 000001 \\ 000001 \\ 001006 \\ 000000 \\ 000001 \\ 000016 \\ 001606 \\ 000106 \\ 000006 \\ 000010 \\ 121606 \\ 000106 \\ 000412 \\ 000406 \\ 000000 \\ 000006 \\ 000019 \\ 000006 \\ 000106 \\ 000006 \\ 000011 \\ 000106 \\ 160106\end{array}\right|$


24
0
0
0
0
0
1

001218 000030 000013 000013 000006 061318 300618

121330
163.312

000006 181306 000001 000011 163013 000012 003006 000612 061218 001228 000009 001202 000012 021805 000006 001206

133018


MATRICES FOR PERSONALITY PATTERNS

Column 1 (from left to right) is the number of the group the subject belonged to. Column 2 is the number in the group. Column 3 is the subject's identification number. Column 4 is the raw score. Column 5 is the percentage of that personality pattern to the total personality of the subject. The average is indicated below in the same column. Columns $6-13$ are the coded responses in the categories indicated The totals-axe-listed-below in-the same columns. The coded response is on the left and the frequency on the right. Total number of subjects is indicated at the bottom right corner. If a subject indicated no response in one of the eight categories, it is recorded as a blank.

Matrix -- personalaty pattern d/a


MATRIX－－PERSONAEITY PATTERN A／D

| 6 \％${ }^{\frac{n}{\pi}}$ | SUB | R．SCORE | 8 | PAR．INT． | COUN．INJ． | BASIC POS． | PACEET | gaves | DECISION | LFE COO | URSE | COMTRACTS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120 | 5 | ． 52338 | 27 | 31 | 63 | 10 | 1012 | 01 | 09 |  | 01 | 01 |  |
| 120 | 3 | ． 60501 | 37 | 432335 | 02 | 10 | 0406 | 03 | $\because \quad 11$ | 32 | 34 | 01 |  |
| 220 | 35 | ． 61225 | 30 | 423425 | 4455 |  | 0110 | 1218 | 0108 |  | 18 | 313408 |  |
| 220 | 36 | ． 65326 | 43 | 3925 | 2504 |  | 1301 | 2801 | 0108. | 0313 | 30 | 280735 |  |
| 220 | 38 | ． 65262 | 43 | 3925. | 12 |  | 20 | 12 | 08 | 2311 | 14 | 3531 |  |
| $3: 20$ | 45 | ． 66723 | 45 | ． | 1204 |  | 0410 | 17 | 01 |  | 07 | 0512 |  |
| $3: 20$ | 43 | ． 50445 | 25 | 183932 | 6212 |  | 1601 | 1218 |  |  |  | 121507 |  |
| 320 | 58 | ． 60585 | 37 | 49 | 55 |  | 0104 | 03 | 01. |  | 14 | 274012 |  |
| 420 | 61 | ． 50206 | 26 | 140725 | 375112 | 10 | 0106 | 0612 | 410810 | 0717 | 3.0 | 390335 |  |
| 420 | 62 | ． 69451 | 48 | 1425.32 | 333612 | 10 | 180106 | 1613 | 010710 |  | 22 | 043507. |  |
| 4120 | 63 | ． 54428 | 30 | 2551 | 01. | ． | 0301 | 12 | 1117 | 1024 | 29 | 270701 |  |
| 420 | 69 | ． 61178 | 37 | 510939 | 571512 | 030705 | 07 | －73 |  | 10 | 07 | 040735 |  |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | $\because$ ． |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \text { er } \\ & 0 \\ & \text { g } \\ & \text { 受 } \end{aligned}$ | $\begin{aligned} & 25-5 \\ & 39-4 \\ & 14-2 \\ & 51-2 \end{aligned}$ | $\begin{array}{l\|l} 55 & 2 \\ 04 & 2 \\ 12 & 6 \end{array}$ | 10 4 <br>   <br>   <br>   | $10-3$ 04 06 06 01 0 | $\begin{array}{l\|l} \hline 01-2 \\ 03 & 2 \\ 12 & 5 \\ 18 & 2 \\ 13 & 2 \\ & \end{array}$ | $\begin{aligned} & 11-2 \\ & 01+5 \\ & 09+4 \\ & 10+2 \end{aligned}$ |  | 2 <br> 2 <br> 3 <br> 2 <br>  | $\begin{array}{l\|l} \hline 01 & 2 \\ 31 & 3 \\ 07 & 5 \\ 35 & 4 \\ 27 & 2 \\ 12 & 3 \end{array}$ | TOTALS |
|  |  |  |  | 第 |  | 第 |  |  |  |  | 管 |  | 12 SUBJECTS |


| 5 | 4 | 513 | R． 5005 | \％ | PAR．INJ． | CONN．INJ． | EASIC POS． | RICNET | gaves | decision | ITPE COURSE | COATRACTS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 201 | 7 | ． 56746 | 32 | 3935 | 55 | 04 | 07 | $06^{\circ}$ | －1008 | 110735 | 0112 |  |
| 1 | 201 | 9 | ． 67393 | 45 | 35 | 06 | 04 | 17 | 06 | 1213 | 210307 | 57.01 |  |
| 1 | 1201 | 11 | ． 59873 | 36. | 07 | 37 | 04 | 10 | 05 | 1218 | 201929 | 464001 |  |
| 1 | 201 | 1.12 | ． 58366 | 35 | 35 | 57 | 04 | 0105 | 06 | 1518 | 0307 | 01 |  |
| 1 | 20 | 18 | ． 53656 | 29 | 390335 | 0264 | 10 | 10 | 06 | 10 | 090307 |  |  |
| 2 | 20 | 28 | ． 69778 | 49 | 35 | 51 | 10 | 0107 | 111 | 2210 | － 07 |  |  |
| 2 | 120 | 29 | ． 61515 | 38 | 35 | 51 | 10 | 0105 | 05 | 1307 | 07 |  |  |
| 2 | 120 | 30 | ． 65092 | 42 | 3235 | 51 | 04 | 0106 | 2106 | 121009 |  | 01 |  |
| 2 | 201 | 32 | ． 70797 | 50 | 3235 | 35 | 05 | 0106 | 21 | 10 | $\begin{array}{lllll}35 & 1 / 7 & 07\end{array}$ |  |  |
| 2 | 20 | 39 | ． 50600 | 26 | 423225 | 3351 |  | 01 | 2518 | 13 | 031730 | $34 \quad 3822$ |  |
| 3 | 1201 | 41 | ． 64126 | 41 | 3225 | $6652 \quad 23$ |  | 0105 | 061372 | 4426 | 140303 |  |  |
| 3 | 120 | 43 | ． 50107 | 25 | 424939 | $\begin{array}{lllll}37 & 57 & 45\end{array}$ | 04 | 0105 | 161812 | 130712 | 1300311 | $1 \begin{array}{llll}34 & 31 & 32\end{array}$ |  |
| 3 | 120 | 51 | ． 51765 | 27 | ． 32 | 57 | 10 | 05 | 1315 | 10 | 171330 | 35 313132 |  |
| 3 | 1201 | 55 | ． 56314 | 32 | 063248 | 6738.51 |  | 161705 | $06 \quad 13 \quad 30$ | 034301 | 141308 | 432925 |  |
| 4 | 120 | 70 | ． 53252 | 28 | 272320 |  | 04 | 131017 | $13 \quad 2911$ | 10 | 07 |  |  |
| 4 | 120 | 75 | ． 59915 | 36 | 32 | 38 | 04 | 12 | 1330 | 33 | 23 |  |  |
| 4 | 1201 | 78 | ． 72937 | 53 | 2325 | 53 | 04 | 121617 | 122830 | 01 | 17. | 451249 |  |
| 它 | $\begin{gathered} \frac{3}{\overline{3}} \\ \frac{3}{3} \\ z \\ = \end{gathered}$ |  | W 8 C 总 |  | $\begin{array}{l\|l\|} \hline 39 & -3 \\ 35 & -8 \\ 32 & -7 \\ 42 & -2 \\ 25 & -3 \\ 23 & -2 \end{array}$ | $\begin{aligned} & 516 \\ & 37-2 \\ & 576 \\ & 38: 2 \end{aligned}$ |  | 07 2 <br> 17 4 <br> 10 -3 <br> 01 -8 <br> 06 -8 <br> 16 -2 <br> 12 2 | $\begin{array}{l\|l} 06 & 9 \\ 11 & 2 \\ 21 & 2 \\ 18 & -3 \\ 13 & 5 \\ 12 & 3 \\ 30 & -3 \end{array}$ | $\begin{aligned} & 1017 \\ & 0812 \\ & 125 \\ & 13-4 \\ & 1852 \\ & 07-2 \\ & 012 \end{aligned}$ | $\begin{array}{r} 1712 \\ 078 \\ 35+2 \\ 085 \\ 1542 \\ 175 \\ 30-2 \\ 142 \\ 060^{2} \\ 1313 \end{array}$ | 01 5 <br> 12 2 <br> SLANK 7 <br> 34 2 <br> 31 2 <br> 32 2 | TOTALS |
|  |  |  |  |  | 第 |  |  |  |  |  |  |  | 17 <br> SUBJECTS |

Matrix -- personality pattern d-D

| $6{ }^{6}$ ¢ | SUB | R. SCORE | \% | PAR. IN. | Coun. nu. | BASIC POS. | RICXET | games | DECISION | life camse | contracts |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 120 | 1 | . 51229 | 26 | 253932 | 54 | 06 | 0611 | 13.1225 | 010304 | 016717 | 011704 |  |
| 120 | 4 | . 60733 | 37 | 3532 | 10 | 10 | 05 | 07 | 0107 | 08 | 0119 |  |
| 120 | 15 | . 65013 | 42 | 32 | 51 | 10 | 17 | 06 | 0807 | 14.15 | 5812 |  |
| 120 | 20 | . 57228 | 45 | 3932 | 51 | 10 | 1617 | 06 | 0407 | $02 \quad 07.35$ | 01 |  |
| 2120 | 25 | . 55914 | 31 | 32 | 0937 | 04 | 07 | 2106 | 0118 | 0117 | 2512 |  |
| 220 | 33 | . 63797 | 41 | 25.30 | 376312 | 04 | 0610 | 12.18 | 012425 | ¢1 33 | 452704 |  |
| 222 | 34 | . 51533 | 27 | 251032 |  |  | 0604 | 07 | 42 | 01 93 14 | 3546 |  |
| 2120 | 37 | . 61389 | 32 | 144232 | 483753 |  | 0610 | 021218 |  | 1367.17 | 283035 |  |
| $3120 \mid$ | 46 | . 68984 | 48 | 25 | 01. |  | 06 | 0188 | 0110 |  | 423501. |  |
| 3:20 | 47 | . 52374 | 40 | 14 | 27 | . | 10 | 04 | 10 | 01 | 01.30 |  |
| 320 | 50 | . 56024 | 31 | 1825.24 | 025164 |  | 06 | 06 | 1210 |  | 010446 |  |
| 4 420 | 67 | . 65202 | 43 | 32 | 3155 | 10 | 1012 | 12 |  |  | 374510 |  |
| 4,20 | 77 | . 65161 | 42 | 1819.42 | 5137 | 10 | 10 | 051213 | 261429 | 2017 | 102043 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | $\begin{aligned} & \text { 㬅 } \\ & \text { 愛 } \end{aligned}$ |  | $\begin{array}{l\|l\|} \hline 25 & 5 \\ 39 & 2 \\ 32 & 8 \\ 14 & 2 \\ 42 & 2 \\ 18 & 2 \end{array}$ | $51 / 4$ 374 | $\begin{gathered} 10-5 \\ \text { BLAK } 5 \cdot \\ 04]^{2} \\ \end{gathered}$ | $\begin{aligned} & 05-6 \\ & 17-2 \\ & 10-5 \end{aligned}$ | $\begin{array}{l\|l} \hline 13 & 2 \\ 12 & 5 \\ 06 & 5 \\ 18 & 2 \\ 01 & 2 \end{array}$ | $\begin{array}{l\|l\|} \hline 01 & 5 \\ 04 & 2 \\ 07 . & 3 \\ 10 & 3 \end{array}$ |  | $\begin{aligned} & 01+5 \\ & 04+3 \\ & 12+2 \\ & 45-2 \\ & 35+3 \\ & 46-2 \\ & 30 \nmid 2 \\ & 10+2 \end{aligned}$ | tomats |
|  |  |  |  |  |  |  |  |  |  |  |  | Subjects |

MATRIX -- PERSONALITY PATTERN A-D-LB

| 6 | $\#$ | Sus | R. SCORE | 8 | PAR. INJ. | COUN. INT. | PASIC FOS. | Rucer | Grats | DECTSION | IIFE COURSE | COMIRACIS |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 120 | 3 | . 64597 | 42 | 47 | 19 | 10 | 0412 | 30 | 10.05 | 09 | 0506 |  |
| 1 | 20 | 15 | . 67962 | 34 | 42 | 38 | 10 | 04 | 12 | - 1415 | $27 \quad 2812$ | 21. 13 |  |
| 1 | 20 | 19 | . 58145 | 34. | 2539 | 12 | 10 | 07 | 06. | 1015 | 1707 |  |  |
| 2 | 20 | 24 | . 77035 | 59 | 2839 | 2332 | 04 | 0106 | 06 | 1007 | 37 O3 15 | 012212 |  |
| 2 | 20 | 27 | . 65832 | 43 | 49 | 37 | 04 | 0100 | 05 | 2108 | 37.0307 | 0523 |  |
| 2 | 120 | 30 | . 43841 | 25 | 3235 | 51 | 04 | 0106 | 2106 | 120810 | 0717 | 07 |  |
| 3 | 20 | 44 | . 60044 | 36 | 32 | 16 |  | 1816 | 1318 | 070910 | 35 07 | 01 |  |
| 3 | 20 | $5 i$ | . 58361 | 34 | 32 | 57 | 10 | 05 | 1318 | 10 | 173013 | $3531 \quad 32$ |  |
| 3 | 20 | 54 | . 55064 | 30 | 184239 | 07 |  | 2119 | 021318 | 01 | 11 | 354710 |  |
| 41 | 20 | 73 | . 70171 | 49 | 42 | 195538 | 01 | 0106 | 1122 | 0228 | 204524 | 24 |  |
| 4 | 20 | 74 | . 50801 | 26 | 51 | 38 | . 01 | 1517 | 30 | 16 | 27 | 07 |  |
| 4 | 20 | 79 | . 58330 | 34 | 324239 | 513865 | 06 | 0106 | $12.06 \cdot 11$ | 2329 | 24 | 44 |  |
|  |  |  |  |  |  |  |  | \% |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 웅 |  | $$ |  |  | 42 4 <br> 39 4 <br> 32 4 <br> $\vdots$  <br>   | $190^{2}$ $38-4$ $514^{2}$ | $10]_{3}^{4}$ $04-3$ $01]_{2}$ BLANK-2 | 04 2 <br> 01 5 <br> 05 5 <br> 16 2 <br>   <br>   <br>   | 30 2 <br> 12 2 <br> 06 5 <br> 13 3 <br> 18 3 <br> 11 2 <br>   <br>   | $\begin{array}{r} 10-1 \\ 15 \\ 07 \\ 08 \\ 0 \\ 0 \end{array}$ | $27+2$ $77+3$ $67 t^{4}$ $.37-2$ $034^{2}$ 2 | $\begin{aligned} & 05+2 \\ & 01+3 \\ & 35+2 \end{aligned}$ | TOTALS |
|  |  |  |  |  |  |  |  |  |  |  |  |  | Subiecis |

APPENDIX $G$

EXAMPLES PERSONALITY PATTERNS

The following are examples of the Life Script Questionnaires and resulting Life Script Forms from each of the five personality patterns.

Note that in certain instances answers include therapist's notes as well as subject's response.

## Personality Pattern D/A

The following is an example of personality Pattern
D/A. This subject had a raw score of .73067. In other words, $53 \%$ of his personality was made up of the characteristics in the personality pattern D/A category.

## PERSONALITY PATTERN D/A

REVISED LIFE SCRIPT QUESTIONNAIRE
JANUARY, 1971.
(FULL NAME)


1. Briefly describe your mother.

PI,CI
Understanding. We get along. We have our little arguments. No hostility.
2. Briefly describe your father.

PI,CI
Last saw him in 1970. I didn't need him.
I had my mother, my grandfather, uncles.
Folks split when boy in about 6 th grade.
Not close to dad. Don't know why they separated.
3. Describe yourself. BP, D

I tell people how I feel - I don't hold anything. Etc., re same thing - I'm honest with people \& with myself.

KEY: $\quad$ PI $=$ Parental Injunction $\mathrm{CI}=$ Counterinjunction $\mathrm{BP}=$ Basic Position $R=$ Racket

G = Favorite Game
$\mathrm{P}=$ Program for Life Course
$\mathrm{C}=$ Contract
$\mathrm{D}=$ Decision
4. What does your mother say when you do PI,CI something well, or something that pleases her?

Didn't spend much time at home. Get up at noon - take off - do what they'd ask - but not much time there. Can't remember what she said - grandmother around more. Mother worked. Everything I did_, really-was_bad Grandmother died in 1964 and I felt lost, like I didn't have a friend in the world. I stopped going to school. Grandma used to take me everywhere. Make me cupcakes and cakes and for all the kids in the neighborhood.
5. What does she say when you do something $\quad$ PI,CJ. wrong?
"Be careful - you better stop." She couldn't make me stop. "I told you it wasn't going to last" to. "I knew she was right. Every good thing comes to an end."
6. What is her main advice to you?
"Don't get so mad, so upset."
7. What does your father say when you do something well?

Never see him. He's not around.
8. What does he say when you do something wrong?

We got a little understanding. We talk-I
know he loves me.
9. What is his main advice to you?
$\mathrm{PI}, \mathrm{CI}$
I haven't heard none.
10. What nicknames have people called you? BP

What do they mean?
Red (just a dirty red, when I was born)
My grandfather said that. Mother and
father and gradma called me Red. I like it.
11. What do you want to be when you're an adult? D,C Don't have the slightest idea. Maybe a lawyer - best at? My understanding - I want a profession - not no hard labor.
12. What does your mother want you to be? CI,PI Never told me. Way down deep? She expects me to be a somebody. Some think I might be no good.
13. What does your father want you to be? $\mathrm{CI}, \mathrm{PI}$

Same
14. What do you like most about yourself? BP My understanding.

I already answered that - (sort of sullen)
15. What do you like least about yourself? BP Being in jail - my own doing - I set myself up.
16. Do you ever feel that something might be BP wrong with you? (If yes, ask what) No.
17. How did the police usually catch you?

Seven - 3 in ' 66,3 in ${ }^{\prime} 69$, 1 in ' 70 not caught in the act - I was just there

- disturbing peace, pt. g.t., joyriding,
poss. of marijuana but no so - insuff.
evidence. Burglary. I been lied to \&
tricked, when incarcerated - at Sr. Boys
Canys, perkins, ete. That wasint necessary.
Boy admist burglarizing, boosting, selling narcotics.

18. Describe the bad feeling that you have had $R$ most often in your life.

Being lied to - anger \& sadness.
19. What was your favorite child story?

Peter Pan - I saw it on TV.
20. How did the story go?

Adventure - girl flying around, fighting a pirate \& things.
21. If everything goes wrong, what might you
be doing five years from today?
I'll be home watching TV \& listening to records.
22. If everything goes well, what might you be doing five years from today? Don't know. I'm thinking about that old. lawyer thing. Go back to Berkeley Hi - go to college - play baseball - but school is
boring to me - what could stop me? Somebody might offer me some easy money \& I might accept it - the Police don't want me out there ... I was a little too slick for them. If they can't get you for what they think you've been doing, they'll get you for whatever they can.
23. How do you think you might die? At what age?

Don't know. I know I'll never OD because I don't put nothing in my arm. Can't say about getting shot for fooling with somebody's girl. Might rot in jail - or die a natural death. That's the onty four.
24. What will it say on your tombstone?

Born 1953
Died maybe 2000 - I hope so. The father of so many kids. May he rest in peace.
25. What would "heaven on earth" be for you? D I don't know. There might not be no heaven.
26. What do you wish your mother had done differently?

Stayed with my father. I might of had better supervision. But I was going to do what I was going to do.
27. What do you wish your father had done dif- C ferently?

Stayed with my mother.
28. If by magic you could change anything about $D, C$
yourself, what would you change?
I'd like to have gone to school and not got
in trouble. I'd like to have my grandma back.
But I have a father and a stepfather.
29. What do you want most out of life?

C
Enjoyment - happiness - a little traveling -
see the world.
30. What is your biggest problem?

C
My mouth. It leaves me in trouble.
Distrust and hatred is the only thing.
31. What about yourself will you change while you're here?

I'll check out the anger \& hatred - .to
avoid jail or getting killed.
32. What will you do while you're here to make $C$
those changes?
Check it out with Carter.
33. How will you and I both know you have

C reached those goals before you leave here?

When $I$ stop hating and start trusting.

Parental Inunction (witch message from parent's Child): "Don't .....
succeed, even as a criminal."
Counterinjunction (from parent's to Parent):
"Do .....
stay cool (Don't get upset)
Basic Position (of Child):
Not-OK (Lost and without a friend)
Racket:
Anger/Depression
Favorite Game:
Cops and Robbers
Decision: (e.g. "I'll probably never make it")
"They'll [the police]get you for whatever they can."
Program for Life Course (how to obey witch message):
Be slick enough to get a reputation with police so that they'll go out of their way to get him.

Contract: (Agree only to goals that you and ward can see him reach while he is at O.H. Close)

To avoid imprisonment or death. I'll check out the anger \& hatred. I'll know I reached the goal when I stop hating, and start trusting.

## Personality Pattern $A / D$

The following is an example of personality pattern A/D. This subject had a raw score of .60501 or $37 \%$ of his personality was made up of the characteristics in the personality pattern $A / D$ category.

## PERSONALITY PATTERN A/D

## REVISED LIFE--SCRIPT QUESTIONNAIRE

JANUARY, 1971
(FULL NAME)
(Birthdate)
$\frac{\text { (Date) }}{\text { (Name of Caseworker) }}$

1. Briefly describe your mother.

Folks divorced at 2-1/2. Lived with aunts,
Jenny \& Lucy, dad's sisters. Dad did not live with him. Jenny: nice, cares for me \&
for what I do. Does laundry \& chores.
Stricter than Lucy, Lucy: Cooked \& did
chores. Like my mother.
2. Briefly describe your father.

Nice. Understands me. Only 35 or 36.
Respect each other. A happy man (Ralph
was attached to aunts so chose not to live with him.)

KEY:

PI $=$ Parental Injunction
CI $=$ Counterinjunction
$\mathrm{BP}=$ Basic Position
$R=$ Racket

G = Favorite Game
$\mathrm{p}=$ Program for Life Course
$\mathrm{C}=$ Contract
$\mathrm{D}=$ Decision
3. Describe yourself.

Like sports. Playing baseball, football, basketball. Did not like school on the outs but I do here. I'm learning more about myself \& people here.
4. What does your mother say when you do some- PI,CI thing well, or something that pleases her? Jenny: When he won MVP award "Keep-on trying hard." Happy.

Lucy: "Good work" - cook him up a big meal or give him money to go to a show.
5. What does she say when you do something PI,CJ. wrong?

Jenny: "You oughta know better." "You never learn."

Lucy: "Why do you keep coming home late?
6. What is her main advice to you? PI, CI

Jenny: "Grow up strong \& healthy, physically \& mentally. Raise your kids right."

Lucy: "You gotta do something for yourself. You can't be an orange picker all your life. Go to school."
7. What does your father say when you do some- PI, CI thing well?

Nice going, Ralph.
8. What does he say when you do something wrong?
"I told you you shouldn't drink." Once he raised his hand to hit me but he didn't. He said it was up to me.
9. What is his main advice to you? $\mathrm{PI}, \mathrm{CI}$ I don't want you to drop out like I did. (school) I'd like to see you have a good
education. Keep up the good work. My aunts
knew I could become what I want if I try \& get down to business.
10. What nicknames have people called you?

What do they mean?
"Father" - altar boy - served Mass
Sarra - (don't know what it means)
Ralphie
11. What do you want to be when you're an
adult?
I'm still hoping to become a professional baseball player. I have to try hard to work up. Or if that doesn't work out, be a coach.

Or a counselor in Y.A.
12. What does your mother want you to be? CI,PI

Jenny: baseball player. She wants me to be what I want to be.

Same with Lucy.
13. What does your father want you to be? CI,PI

It's up to you. Be what you want. He feels I still can make it if $I$ want to.
14. What do you like most about yourself? BP "That I'm interested with sports \& I like to get along with people."
15. What do you like least about yourself? BP (Laugh) - "About being in jail.".
16. Do you ever feel that something might be BP wrong with you. (If yes, ask what.) No.
17. How did the police usually catch you?

First time is this time. Voluntary manslaughter. Drunk and at a party. I asked my friend for his knife because he had stabbed a guy \& I didn't trust him. I got hit \& went down \& didn't remember stabbing the guy (not the friend). I had the knife but I don't remember stabbing him. My lawyer was a good lawyer.
18. Describe the bad feeling that you have had $R$ most often in your life.

Hurtin' feelings. Why am I in jail? Why didn't I listen to my parents \& not drink? They were right.
19. What was your favorite child story?

Jack \& Jill went up the hill.
20. How did the story go?

Jack got up there on top of the hill \& then fell down. Mr. Green said it fits for me.
21. If everything goes wrong, what might you

D be doing five years from today?

I guess pick oranges is the worst thing that could happen.
22. If everything goes well, what might you
be doing five years from today?
Be playing baseball. Pitcher with the
Los Angeles Dodgers (good feelings when I say that).
23. How do you think you might die? At what

D age?

Die in battle for my country. I guess, 26
or 28. I want to serve my country.
24. What will it say on your tombstone?

P

Died in Battle
25. What would "heaven on earth" be for you?

D
God put me here to do good in life. I'll
be at some club for boys as a retired base--
ball player. Be a coach. Be married
(not "heaven")
26. What do you wish your mother had done dif- $C$ ferently?

Not gotten a divorce. She wanted to see me a year or two ago, but I didn't want to. Heard she was pretty \& ran off with a man. Never.used to think about it. At 12 I used to wonder why I didn't have a mom and I'd say "yea" that my aunt was my mom if another kid asked.

Jenny: (I don't know)
Lucy: (I don't know)
27. What do you wish your father had done dif.. $C$ ferently?

Not got divorced from my mother. I'd be the same even if they didn't get divorced. I wish he had spent more time with me. I would not have come home as late at night. I used to think my aunts didn't know nothing, but they did.
28. If by magic you could change anything about D,C yourself, what would you change?

I'm glad how I am, but I wish I wasn't in jail. I would change not coming home late, drinking, listening to my friends - but I. can change that - I was confused. I can change my confusion.
29. What do you want most out of life?

C
Being happy all the time. Be a good citizen. Not coming to jail.
30. What is your biggest problem?

C

Coming home late at night, drinking with my friends, listening to my friends. The problem: while feeling confused, let others make-bad-decisions for me.
31. What about yourself will you change while $C$ you're here?

My confused \& sad feelings - I want to succeed. No one else had to decide for me what is chicken and what isn't. (I thought they would call me chicken and my aunts' little boy.") (My feelings of OKness are in others' hands.)
32. What will you do while you're here to make $C$ those changes?

I'm working in small group on those.
33. How will you and I both know you have
reached those goals before you leave here?

I'll tell Mr. Green. I can make up my own mind for me. Make adult decisions, and I'll know I'm doing it.

## LIFE-SCRIPT FORM

Parental Injunction (witch message from parent's Child):
'Don't .....
don't have fun "working at it"
possibilities:
don't succeed
don't feel good about yourself
Counterinjunction (from parent's Parent):
"Do .....
keep working at it, keep on trying"
Basic Position (of Child):
Same not OKness
Racket:
Confusion (maybe confused depression)
Favorite Game:
Alcoholic?
Decision: (e.g. "I'll probably never make it")
"I though they'd call me chicken and my aunts'
little boy" (my OKness depends on what they think)

Program for Life Course (how to obey witch message): not having fun "working my way up."

Contract: (Agree only to goals that you and ward can see him reach while he is at O.H. Close)

Not to have his feelings of OKness depend on what
others think.

## Personality Pattern A-D-D

The following is an example of personality pattern A-D-D. This subject had a raw score of .70797 or $50 \%$ of his personality was made up of the characteristics in the personality pattern A-D-D category.

## PERSONALITY PA'CTERN A-D-D

REVISED LIFE-SCRIPT QUESTIONNAIRE
JANUARY, 1971
(FULL NAME)
(Birthdate)
(Date)
(Name of Caseworker)

1. Briefly describe your mother.

Mean. Loses her temper - picks up things \& hits you. Goes out every night to drink beer. Leaves everybody, brother (14) \& sisters (13 \& $10 \& 3)$. She threw a cleaver at me one time for no reason. Folks separated akout $2-1 / 2$ yrs. ago. Billy (17) lives with father.
2. Briefly describe your father.

Old. Swears a lot - loses his temper. If you don't do something perfect he'11 jump on you. Got to get his permission to leave the house - got to stay around and work all day. He's about 52 or 53. Looks old since they took his teeth out.
3. Describe yourself.

I'm ok in some ways, bad in others. I lose my

KEY

| $\mathrm{PI}=$ | Parental Injunction | G | $=$ Favorite Game |
| ---: | :--- | ---: | :--- |
| CI | $=$ Counterinjunction | P | $=$ Program for Life |
| $\mathrm{BP}=$ Basic Position |  | Course |  |
| R | $=$ Racket |  | $=$ Contract |

temper. I been holding back for three months. I like to go out and play pool. I don't go to school. Been missing for about six months. In a fight I pick up something and hit somebody.
4. What does your mother say when you do something well or something that pleases her? Oh, she just says you done a good job and tells me to do another. I feel? OK She doesn't compliment me much, because I been in fights with my brothers and them.
5. What does she say when you do something wrong?

She'd yell at me and start hitting me with something. "I wish I'd never seen you, you fuckin' kids around here. I wish I'd never had you". Worst? After fight with my brother, she hit me with a pipe and I slugged her. She picked up a hoe and said I wasn't supposed to hit grownups. "I'll kill you for hitting me." Felt? Like breaking her neck. To my self? I said I'd run away and if she hit me again I'd kill her.
6. What is her main advice to you?

Stay out of trouble. That's all. Feel? Like going out and do the opposite. My little brother used to blame me, so I'd blame him. She
says she loves me but she don't mean it. To myself? I'd say "I'll get even." I feel
like wrecking the car or something.
7. What does your father say when you do something PI,CI well?

He'll let me go someplace. "Fine job. Now you can go to your friend's house." He doesn't compliment me-much. Love me? I don't know.
8. What does he say when you do something wrong? PI,CI Swears. "Do it over" or kick me. In the leg. Worst? That he'd beat me. Sent me for a $2 \times 4$ and beat me. He told me not to talk back to him. I felt like taking a shotgun and shooting him. To self? I said I'd run away and stay so long they'd not remember me and I'd come back and kill him. How? By shooting him.
9. What is his main advice to you?

Do good in school and stay out of trouble. I don't listen and feel like taking off on my own.
10. What nicknames have people called you?

What do they mean?
Baldy. Mom always cut my hair off. I'd fight the ones who called me that. Nazi. My first name's German. Mother calls me Stupid, Fuckin' Nut. Stupid cause I don't know math. My mother calls me -----. I'd like my dad to call me ---....

Mother, too. She wanted me to keep her father's name. When called bad names I'd feel like fighting and knocking hell out of the bully or punk.
11. What do you want to be when you're an adult? Race car driver. Kind of person? A person who doesn't lose his temper, doesn't go around hurting people.
12. What does your mother want you to be?

I don't know. She probably expects me to be a pxisoner because of my trouble. Armed robbery, fighting, strong arm on a service station manager. My mother said they'd shoot me if I came around the house any more, after being a prisoner.
13. What does your father want you to be?

I don't know. Work for the forest service or construction. He probably expects me to end up a prisoner. "You keep up what you're doing and you'll end up in prison". Felt? Bad. "If I go to prison it'll be fox something good - like taking brake fluid out of his truck so he'11 run into something.
14. What do you like most about yourself? $B P$

Nothing. I hate what I'm in here for. Good about me? I'm in here trying to learn something. I want to learn race car driving mechanics. I
want to build myself back up so I'm not scared of people. Little kids, too. I been beat up before. My brothers and sisters get me in trouble. I don't think of myself as being human because I stooped so damn low. What I'm in here for. I call myself a dumb person who stooped to hurt someone. I feel sometimes like killing myself.
15. What do you like least about yourself?

My being stupid. Not able to keep up in
school. Hate about myself? My name first name, whole name. People tease me about it. I hate Germans. My name sounds stupid.
16. Do you ever feel that something might be BP wrong with you? (If yes, ask what) No.
17. How did the police usually catch you?

Arrested? Twice. Robbed about 16 stores, some burglaries, broke into one place. I used a German Lugar and a . 22 rifle. I've stolen about $\$ 5,000$. Bought marijuana -gave a friend 30 or 40 \$. Paid back friends. Once on suspicion of armed robbery but let go. I got about $\$ 150$ from the service station. With some guys who had guns. Ran away twice that they caught me for.
18. Describe the bad feelings that you have had R most often in your life.

I kidnapped a kid. Beat him up. Felt bad because I couldn't feed him. He was about 14. Near Soledad. Most often? For what I'm in here for. For hurting somebody, or not doing what my mother wants. I feel "cheap".
19. What was-your favorite-ehil-d-stery?

Don't remember. John Wayne in Rio Lobo.
20. How did the story go?

A Western - he was sheriff. An old guy blew a robber right out of a barn with a doublem barrelled shotgun.
21. If everything goes wrong, what might you be doing five years from today?

I had thoughts of being a gangster but I've given it up from what I saw on TV. So I'll be a hobo or something like that. Bonnie and Clyde movie made me give up on being a gangster.
22. If everything goes well, what might you be doing five years from today?

Try to be a top race car driver or singer or something like that. Best chance of being? A race car driver. Drove a go-cart. Folks think? Probably that I'd get killed.
23. How do you think you might die? At what age? D Getting shot or in a car wreck. I be walking down the street and somebody who don't like me shoot me. At my funeral? Nobody. I wouldn't let them (You'd be dead I said). My mother, father, all my relatives. My mother? Feeling pretty bad. "She'd get even with the guy that killed me. If killed in races, she'd feel pretty bad and say, "We told him she shouldn't have." Dad? Bad. "Damned fool. Thought he was a big hot shot."
24. What will it say on your tombstone? p
"Damn the country" I hate it. Big jerks riding motorcycles, fighting. That damn fool we call the president, not doing anything.
25. What would "heaven on earth" be for you? Don't know (long pause) Don't know what's going to go on. Can't answer it.
26. What do you wish your mother had done diffexently?

Shut her mouth. Left me alone. I probably wouldn't feel as mean as I did when I did what I done: After? I just felt bad.
27. What do you wish your father had done differently?

Shut up and quit swearing.
28. If by magic you could change anything about D,C yourself, what would you change? What I look like. What I am. My name, and where I live. Cause I hate where I live, my name, what I look like. I look like a monster or something. Yes - that's what I call myself. No, I can't explain what I did.
29. What do you want most out of life?

People to leave me alone. And enough money to go to Red China. If everything fails I'd rather be a Communist. At birth? I was OK, then I started growing up and learned how cheap the country is. I'll be a killer for the Communists.
30. What is your biggest problem?

Taking orders from guys that order me around. Yes, that I feel I'm no good is my biggest problem. Being dead is the only out. Until the day I die, I'll hang on to the conviction that I'm no good. Yes I will. (He complained that the guys - esp. the blacks - on the hall are pressuring him to shine their shoes, give them cigarettes, etc. He wants to kill them.) I can kill them.
31. What about yourself will you change while you're here?

No contract.
32. What will you do while you're here to make those changes?
33. How will you and I both know that you have

I left him with the thought that he has the possibility while here to redecide not to carry to his grave the conviction that he's no good. He did not agree to consider it. He said he will get even with everyone who's hurt him, "I'll kill them all. No matter how long they keep me I'll get out and kill them all.. I might kill someone while I'm here... I can predict the future by my dreams. What I dream happens the next day or a month later....I'll hit a counselor \& I'll go to Inyo. I predict that....I have 52 guns hidden all over the hills where I live.....I've been with the Hell's Angels and we ${ }^{\text {t }}$ ve killed three Fort Ord soldiers. I've supplied guns for holdups and robberies. I tried to kill my dad by letting the brake fluid out of his truck. I put strychnine in my mother's coffee, but she didn't drink it. I've been scared for myself for a long time. (He said the guys on the hall are pressuring him for cigarettes, shine their shoes, etc. He wants to kill them.) After I'd told him that one of his options was to start seeing himself as an OK human being, he said with
great feeling, "You can say that, but you didn't do what I did."

## LIFE-SCRIPT FORM

Parental Injunction (witch message from parent's Child): "Don't....
exist
feel good about yourself
Counterinjunction (from Parent's Parent):
"Do... .
get out.
Basic Position (of Child):
Grossly not ok/others are better, but not really ok ejther.

Racket:
Anger/depression
Favorite Game:
Slaughter Me
Decision: (e.g., "I'll probably never make it")
Until I die I'll remember what $I$ did and know I'm no good.

Program for Life Course (how to obey witch message)
Set self up for putdowns, hurts, mistreatment; punishment, execution, by doing what he probably considers the worst possible thing.

Contract: (Agree only to goals that you and the ward can see him reach while he is at O. H. Close)

None as yet.

## Personality Pattern D-D

The following is an example of personality pattern D-D. This subject had a raw score of . 67228 or $45 \%$ of his personality was made up of characteristics in the personality pattern D-D category.

## PERSONALITY PATTERN D-D

REVISED. IIFE-SCRIPT QUESTIONNATRE
JANUARY, 1971
(FULL NAME)
(Birthdate)
(Date)
(Name of Caseworker)

1. Briefly describe your mother.

Good looking. Understanding.
2. Briefly describe your father.

PI, CI
Not too understanding. Wants things done his way. Used to drink every day.

Bad car wreck when drunk. But he's hung
it up. Nothing I did was ever right -
it could have always been better. He
seems to be angry at everything.
3. Describe yourself.

BP, D
(Laugh) Understanding most of the time.
Not too understanding other times. I like active sports.
4. What does your mother say when you do
something well, or something that pleases her?

KEY: $\mathrm{PI}:=$ Parental Injunction
$G=$ Favorite Game
$C I=$ Counterinjunction
$\mathrm{P}=$ Program for Life Course
$\mathrm{BP}=$ Basic Position
C $=$ Contract
$R=$ Racket
$\mathrm{D}=$ Decision
"Very good. Nice job." When I was little
she'd buy me something - like ice cream.
5. What does she say when you do something wrong? PI,CI Why did you do it? Don't you know better?

When really angry, "Get out." I'd leave
for weeks and get picked up for runaway.
6. What is her main advice to you?

Stay out of trouble. She expected me to
be in trouble.
7. What does your father say when you do somePI,CI thing well?
"Good job. I'm proud of you." (But it has to be perfect for him to say that.)
8. What does he say when you do something $\mathrm{PI}, \mathrm{CT}$ wrong?

You're nothing but a trouble-maker. He said more often than Mom: Get out, never come back. Worst thing I did: had a girl stay with me in a trailer overnight. Also: stayed out too late. He thought I was on dope. Worst thing he said to me: "Get the fuck out of the house" with mother there. Had fight with him after I got tired loading a trailer, left for a month. Tried to come back - mother said I better not be around when he came in. Got caught for armed robbery a week later. Felt like shooting myself:
9. What is his main advice to you?

Straighten up.
10. What nicknames have people called you? What BP do they mean?
----- nurses started it in hospital.- mother liked it. Didn't like "-.....--" - now I do. It's more grown up.
11. What do you want to be when you're an adult? D,C

Own my own motorcycle shop. Dad had one.
I'll work with my uncle in shop owned by him and dad.
12. What does your mother want you to be?

Mechanic
13. What does your father want you to be? $\mathrm{CI}, \mathrm{PI}$

Mechanje on motorcycles, I guess. I was better with my hands than I was with my brain. "There's no place in an office for you", said grandmother. (ha ha)
14. What do you like most about yourself? BP My ability to work on engines.
15. What do you like least about yourself? BP Used to be my temper. Not now. Blew up a. lot. Now? Being locked up. Things I've done in the past.
16. Do you ever feel that something might be wrong with you? (If yes, ask what)

No. Used to. Too easily persuaded by friends Never had the willpower to say no. Like the armed robbery. Gun was loaded. I had it after partner said "It's your turn" (meaning to hold the gun).
17. How did the police usually catch you? By a friend.
18. Describe the bad feeling that you have had most often in your life.

Being left out - to age two. I was kind of pushed aside when my little sister came into the world. Incubator baby. She got all the attention. "I really wasn't wanted."
19. What was your favorite child story?
(ha ha) Goldilocks
20. How did the story go?
(He told whole story) "She ran out of the house scared."
21. If everything goes wrong, what might you be doing five years from today?

Might be in prison - for robbing a bank.
22. If everything goes well, what might you be doing five years from today?

Owning my own shop - be riding professionally (He later added) -

Have a family - I want to be at least 21 before I get married.
23. How do you think you might die? At what D age?

Ha Ha - old age. If not that, a motorcycle wreck. Between $25 \& 35$. After 35 I'11 quit riding.
24. What will it say on your tombstone?

Ha $\mathrm{Ha}-$
-...-.-. One of the best motorcycle riders in the world.
25. What would "heaven on earth" be for you?

D

No wars. People not having to die.
26. What do you wish your mother had done differently?

Been a little stricter when I was younger. If I tried hard enough, she'd always give in. What would that make me in her eyes? A brat. (ha ha)
27. What do you wish your father had done dif-C ferently?

After age 12 he turned me down for practically everything I asked for. Used to buy me bikes, but stopped. Wish he had paid a little more attention to me when I was younger.
28. If by magic you could change anything about D, C yourself, what would you change?

My strength. I always did want to be tall and strong. I'll feel strong enough when I can work out (curl) with 200 lbs. Not having to spend my time at O.H. Close.
29. What do you want most out of life?

C
Good-family. 2 sons (lomg pause) Being a respectful citizen. Almost everybody who knew me always knew me as no good (because of the trouble I've been in).
30. What is your biggest problem? Meeting new people. J don't feel comfortable - fear they won't like me.
31. What about yourself will you change while you're here?

School work. My personality - temper. My father said "You're no good" a lot of times. Part of me believed him and part of me didn't. My feeling of being no good.
32. What will you do while you're here to make those changes?

Feel good about myself.
33. How will you and I both know you have reached these goals before you leave here?

I'll feel happier; maybe it'll show.

Parental Injunction (witch message from parent's child): !Don't ....
feel wanted (Don't come close or Don't be)
Counterinjunction (from parent's Parent):
"Do ....
stay out of trouble.
Basic Position (of Child):
I'm not-OK (wanted)
Racket:
Feeling unwanted, no good.
Favorite Game:
Cops and Robbers
Descision: (e.g. "I'll probably never make it")
"I'm not wanted." (until I'm dead?)
Program for Life Course (how to obey witch message):
"Blow it" and get sent away. Dad showed him how
by getting drunk \& getting in wreck.
Contract: (Agree only to goals that you and ward can see him reach while he is at $0 . H$. Close)

Goal: To stop feeling no good \& to feel good instead.

## Personality Pattern $A-D-L B$

The following is an example of personality pattern A-D-LB. This subject had a raw score of .77085 or $59 \%$ of his personality was made up of characteristics in the personality pattern A-D-LB category.

PERSONALITY PATTERN A-D-LB

REVISED ISIFE--SCRIPT QUESTIONNAIRE
JANUARY, 1971
(FULL NAME)
(Birthdate)

1. Briefly describe your mother.

PI,CI
She's fair. Treats everybody the same.
Good personality. Gets along with most everybody.
2. Briefly describe your (step) father. PI,CI

Same as mother. But he doesn't get along with people in the same way. He takes a liking to some - not others. Real father died when I was four. He was a drunk spent his check on beer and spent little time at home. I still have some resentment against him. I have had some question about my own OK-ness being the son of that kind of a man.

KEY: $\quad \mathrm{PI}=$ Parental Injunction
CI $=$ Counterinjunction
$\mathrm{BP}=$ Basic Position $R=$ Racket
$\mathrm{G}=$ Favorite Game
$\mathrm{P}=$ Program for Life Course
$C=$ Contract
$D=$ Decision
3. Describe yourself.

BP, D
I think I get along with most everybody.
I treat everybody the same, that is, I play cards with everybody.
4. What does your mother say when you do some-- PI,CI thing well, or something that pleases her? You did a good job - or half the time she'd ignore it. Nicest thing: that she loves me (she said that about 4 months ago). I felt like I was wanted.
5. What does she say when you do something wrong? PI,CI She gets mad and says, "Why do you do things like that?" Then I felt stupid.

Worse: that she'd put me in the hall if I kept messing up. I felt mad.
6. What is her main advice to you? PI,CI

Go to school. Stay out of trouble.
(burglaries, car thefts)
7. What does your father say when you do PI,CI something well?

He usually ignores it - or once in a while say I did a good job and let it pass. I'd feel angry and say, "I'll get back at them"

- my way was to go out and get in trouble and get put in hall.

8. What does he say when you do something wrong?

If you don't straighten up I'm going to send you off. He'd tell me about the institutions he was going to put me in, but they never did (either parent).
9. What is his main advice to you?

Get a-M.S. diploma, get a job, \& stay out of jail. Made me feel like $I$ had to live up to his standards and do everything he told me to do. I said, "I'm not going to do it. I'll do what I want to do." I then would get the attention I want.
10. What nicknames have people called you? What BP do they mean?

Skinny I used to hit my brothers \& sisters Elephant for calling me names. "Why don't you Clumsy "ever stop hitting them?" the parents Stupid would ask \& I didn't stop.
11. What do you want to be when you're an adult? Architect
12. What does your mother want you to be?

A doctor - about beginning of ninth grade.
She would like me to have money. She likes a big social life, knowing everybody. That's what she'd like me to be - I don't want to be a doctor. Her gratification? I'd be doing
what she wants, not what I want. I felt it as a "Don't grow up." The only thing she doesn't want for me is to be a bum on the street. I'd get angry \& walk out. I'll show her - I won't be a bum. But sometimes I
feel like I would be a bum.
13. What does your father want you to be?

Carpenter - he knows I like to work with wood. He doesn't think I'll make it. I felt $I$ would. "You're going to be a bum."
14. What do you like most about yourself? BP The way I get along with people. The way I work - in school.
15. What do you like least about yourself?

My temper - not too many fights - I hate fights. I don't have to prove myself to anybody.
16. Do you ever feel that something might be wrong with you? (If yes, ask what.)

Yes - getting' mad at people - had the feeling people didn't like me - didn't want me around. I can now ignore that feeling.
17. How did the police usually catch you?

Usually in the act. I played Cops \& Robbers. Swerved drunkenly in stolen cars. Left fingerprints at burglaries. Left stolen loot around
home. I think I was waiting to hear that my parents want me around.
18. Describe the bad feeling that you have had

R most of ten in your life.

Depression - parents not stroking me enough angry - then played Revenge on them
19. What was your favorite child story?

Nobody read any to me Moxie: A story on Christ being put on cross.
20. How did the story go?

It ended with everybody crying.
21. If everything goes wrong, what might you be D doing five years from today?

Jail - for burglaries, car theft, stealing.
22. If everything goes well, what might you
be doing five years from today?
Architecture - 2-1/2 years of H.S. left. Need
4 years of college.
23. How do you think you might die? At what age? D My sleep, I hope.

Not tragically - my fantasy is that my brothers \& sisters would be happy $-\&$ mom \& dad sad.
24. What will it say on your tombstone?

Can't think of anything.
25. What would "heaven on earth" be for you?

D
Place where I could do anything I wanted. Not be bossed around.. My stepfather has bossed me. I wouldn't go to school - I wouldn't do anything. Goof off.
26. What do you wish your mother had done difC ferently?

Not ignore me as much. I wouldn't have had to set myself up to get attention.
27. What do you wish your father had done difC ferently?

Not been a drunk. He got cut in two by a dump truck. My mother used to say he needed two coffins. "I'm a drunk myself on weekends." I stopped everything when I went to a foster home. Then they started to boss me and I split to get even with them. Stepfather: paid more attention to me and not bossed me around so much.
28. If by magic you could change anything about yourself, what would you change?

My temper - my thing of getting back at people.
29. What do you want most out of life?

Get a good job, good house, live normally no hassles.
30. What is your biggest problem?

C

Depression.
31. What about yourself will you change while you're here?

My depression racket - I'd rather be angry for a short time and get rid of it quickly, rather than stay depressed for a week.
32. What will you do while you're here to make those changes?

I'11 feel good and happy:
33. How will you and I both know you have reached C those goals before you leave here?

I'll be happier - I'll be walking around with a smile rather than a sad face. And I won't be waiting for my mother to change what she can't anymore.

Parental Injunction (witch message from parent's Child):
"Don't.....
come close
feel. OK enough to deserve strokes
Counterinjunction (from parent's Parent):
'Do.....
be quiet - get along with people
Basic Position (of Child):
Not-OK as kids who are stroked (younger sibs)
Racket:
Anger/Depression
Favorite Game:
Cops \& Robbers
Decision: (e.g., "I'll probably never make it")
I'm not OK - my parents ignore me.
Program for Life Course (how to obey witch message):
Set people up to tell me what to do -- feel bossed -
get angry - act out - get punished (attention).
Contract: (Agree to only goals that you and ward can see him reach while he is at O.H. Close)

Stop putting my dad's face on others. Feel OK
instead of not OK. Stop waiting for mother to
change. Work in group on anger \& depression bags

- walk around feeling happy rather than depressed.


[^0]:    W. Penfield, "Memory Mechanisms," AMA Archives of Neurology and Psychiatry, 67:178-198, 1952 (with discussion by L. S. Kubie, et al.).

[^1]:    *This version was especially designed for use in juvenile corrections but it is readily modifiable for other settings.

[^2]:    *Steps 9-12 form a computational loop until the convergence test transfers the program to Step 13.

