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A METHOD FOR QUANTIFYING A MENTAL STATUS EXAMINATION.(U)
FEB 78 R C SPAULDING, M RICHLIN, J D PHELAN
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A METHOD FOR QUANTIFYING A MENTAL STATUS EXAMINATION

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R. C. SPAULDING, M. RICHLIN, & J. D. PHELAN

REPORT NO. 78-19

NAVAL HEALTH RESEARCH CENTER

SAN DIEGO, CALIFORNIA 92152

NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND

BETHESDA, MARYLAND

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number):
During the period February through April 1973 American military prisoners of war were repatriated from the communist forces in Vietnam. There were 77 Army, 26 Marine Corps, and 138 Navy individuals returned to the United States. As part of the planned longitudinal physical evaluations conducted at repatriation and annually thereafter, psychiatrists completed a mental status form for each RPW during each examination. A method for quantifying the mental status form was developed and the results were correlated with a number of health,

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behavioral, and adaptation variables. Significant correlations have been obtained (reported elsewhere), between the mental status measures and various psychiatric, medical and behavioral variables.

A Method for Quantifying a Mental Status Examination

Raymond C. Spaulding
Captain, Medical Corps, U. S. Navy

Milton Richlin, Ph.D.
James D. Phelan

Center for Prisoner of War Studies
Naval Health Research Center
San Diego, California 92152

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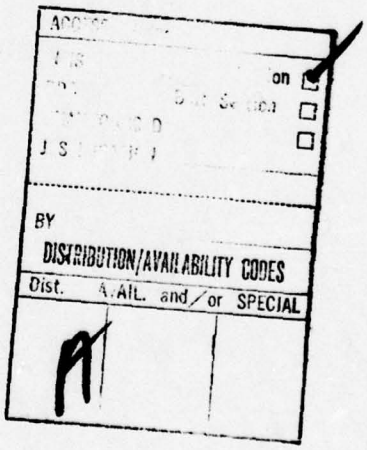

Abstract

During the period February through April 1973 American military prisoners of war were repatriated from the communist forces in Vietnam. Where were 77 Army, 26 Marine Corps, and 138 Navy individuals returned to the United States. As part of the planned longitudinal physical evaluations conducted at repatriation and annually thereafter, psychiatrists completed a mental status form for each RPW during each examination. A method for quantifying the mental status form was developed and the results were correlated with a number of health, behavioral, and adaptational variables. Significant correlations have been obtained (reported elsewhere), between the mental status measures and various psychiatric, medical and behavioral variables.

A Method for Quantifying a Mental Status Examination

Purpose: This Technical Report has been prepared to describe the method which was developed to quantify the mental status examination forms used in the initial and annual follow-up examinations of the Marine Corps, and the Navy repatriated prisoners of war, and the Navy control group.

Sample: The cessation of active combat between the United States military forces and the Communist Vietnamese troops in January 1973, led to the recovery of 566 American military prisoners of war. The repatriated prisoners of war (RPWs) were comprised of: Air Force 325, Army 77, Marine Corps 26, and Navy 138.[1,2,3,4] The Air Force RPWs are being followed by the USAF School of Aerospace Medicine, Brooks AFB, Texas 78235, and this facility has no detailed medical findings on the Air Force RPWs.

Method: Each Army, Marine Corps, and Navy RPW was given a comprehensive physical examination immediately upon his return to the United States. The examination results were recorded in a format labeled the Initial Medical Evaluation Form, (I.M.E.F.). The detailed I.M.E.F. record facilitated the standardized recording of the examination results which were then coded and transferred to computer tape for subsequent group statistical analysis.

The psychiatric Examination section of the I.M.E.F. was completed by the examining psychiatrist. The psychiatric examination is divided into three main parts.

1. Mental Status Examination (MS)

2. Narrative Summary of all pertinent history about captivity, past, personal, and family history, as well as current functioning.

3. Problem list, treatment plans, prognosis, and diagnoses in accordance with DSM-II Nomenclature, if warranted.

The I.M.E.F. Mental Status section is comprised of thirteen subsections consisting of 399 items: 1) Reliability of information; 2) Barriers to Communication; 3) State of Consciousness; 4) Orientation; 5) Memory; 6) Appearance and Behavior; 7) Characteristics of Speech; 8) Thought Processes; 9) Affect and Feeling; 10) Perceptions; 11) Intellectual Functions; 12) Somatic Functioning; and 13) Social Interactions and Personality Characteristics. Many of the mental status items were answered yes or no. However, some were of a descriptive and/or quantitative variety and the answer scored on a scale of zero to three. The maximum possible scores on the I.M.E.F. mental status examination ranged from (+) 148 to a (-) 457. Positive items were, for example: very good, reliability of information with no barriers present to communication. The individual was lucid, oriented to time, place, person and situation with memory normal for recent and remote events. He was described as appearing younger than his stated age. Motor and cognitive functions were considered to be normal. Some of the negative items on the mental status examination were: Very poor reliability of information, with barriers to communication present because of the RPWs preoccupation; easily distractability and complaints of forgetfulness. He appeared older than his stated age. Motor behavior was marked by psychophysiological signs of anxiety. Thought processes, stream of thought, were characterized by rambling, halting, vagueness and using related but incorrect words. In addition, any

clinical manifestations of neurotic or psychotic disorders would be considered as a negative or undesirable trait on the mental status examination.

Follow-up Mental Status Examination

All of the Marine Corps and Navy repatriated prisoners of war have been invited to participate in the annual follow-up physical examinations. These examinations are conducted at the Naval Aerospace Medical Research Laboratory, Naval Air Station, Pensacola, Florida. The Navy psychiatrists and clinical psychologists that conduct the psychiatric portion of the examination are attached to the Naval Aerospace Medical Institute, Pensacola, Florida.

The Mental Status examination form used during the annual follow-up examinations has six (6) subsections with a total of 326 items, all weighted by the examining psychiatrist on a scale of zero (0) to four (4). The weightings refer to the: (0_ absence of a trait; (1) very mild presence of a trait; (2) mild, (3) moderate; and (4) severe presence of a trait. The six (6) subsections are: (1) General appearance, (2) Psychological Functioning, (3) Organic Brain Functioning, (4) Impairment of Judgement, (5) Insight, and (6) Potential for Therapeutic Alliance.

The follow-up mental status format, like the I.M.E.F. Mental Status format, also contains positive and negative items with the maximum overall scores ranging from (+) 84 to (-) 1192.

The two mental status examination forms were independently rated, item by item, by two professionals at the Center for Prisoner of War Studies; for being either a positive or negative trait. The interrater reliability was extremely high (r = .98). Ambiguous items were deleted.

Each individual RPW or Navy control group member has a mental status score for each year he has been examined. Individuals with a higher net (positive) score are considered to be enjoying a better state of emotional health than those with lower net scores. Thus, by quantifying the mental status examination in this manner, the net score was used to correlate with a variety of independently derived variables indicative of the individual's health and adjustment since repatriation. For example such independent variables have been used as: 1) demographic data, 2) total number of medical diagnoses, 3) psychiatric diagnoses, 4) Recent Life Changes, [5,6,7,] 5) progression of duty stations since repatriation, and 6) captivity experience.

The psychiatric examinations conducted on the Army RPWs have employed a different mental status format, which has not been quantified, to date. The annual follow-up examinations for the Army RPWs are conducted at Brooke Army Medical Center (B.A.M.C.), Fort Sam Houston, Texas 78234.

Summary: The technique of quantifying the Mental Status Examination has been shown to correlate significantly with psychiatric diagnoses, overall medical diagnoses, behavior, adjustment, motivation, and professional careers.

Table 1 shows the maximum and minimum scores, mean, and standard deviations obtained in the sample of repatriated Navy RPWs.

Appendix: Copies of the I.M.E.F. and Follow-up Mental Status formats.

TABLE 1

MENTAL STATUS EXAMINATIONS

N = 138 Navy

	MAXIMUM AND MINIMUM POSITIVE SCORES	MAXIMUM AND MINIMUM SCORES OBTAINED					
		Range	Mean	S.D.	25th percentile	Median	75th percentile
POSITIVE SCORES							
IMEF	148	67 to 142	114.88	12.96	—	—	—
1974	84	0 to 75	46.31	15.93	39	48.2	56
1975	84	0 to 76	53.95	12.22	46	55.0	62
NEGATIVE SCORES							
IMEF	−457	−1 to −125	−21.18	−17.96	—	—	—
1974	−1192	0 to −138	−28.04	−24.14	−11	−20.75	−40
1975	−1192	0 to −152	−24.50	−32.72	−9	−18.00	−30
OVERALL SCORE							
IMEF	−457 to 148	−58 to 141	93.69	29.14	82	99.5	113
1974	−1192 to 84	−104 to 73	18.27	32.96	−1	27.75	44
1975	−1192 to 84	−93 to 72	29.45	28.52	19	35.75	47

1974 – First Follow-up Examination
1975 – Second Follow-up Examination

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APPENDIX I

INITIAL MEDICAL EVALUATION FORMS

PSYCHIATRY

Mental Status Examination:

1. Reliability of information: (check one)

   -1 very poor

   -1 poor

   -1 fair

   +1 good

   +1 very good

2. Barriers to communication or reliability were due to (check all applicable).

   -1 (a) Quality of speech

   -1 (b) Refuses information

   -1 (c) Dialect

   -1 (d) Physical illness

   -1 (e) Deafness, hearing

   -1 (f) Preoccupation

   -1 (g) Lack of response

   -1 (h) Sensorial or cognitive disorder

   -1 (i) Conscious falsification

   +1 (j) No barriers present

3. State of Consciousness:

   Lucid: +1 Yes

   (0)or(-1) *No

   If No, check appropriate items below:

   -1 Fluctuating level of consciousness

   -1 Lethargic (stimulation threshold increased, inactive, delayed responses, drowsiness, indifference)

   -1 Obtunded (maintains wakefulness, but little more)

   -1 Stuporous (can be aroused only by vigorous stimulation)

   Currently under influence of sedatives, hypnotics, tranquilizers, or opiates?

   0 No

   -1 Yes, specify drug(s) _____

*If one or more of the "appropriate" items below are checked, then "no" is scored as zero; if none of the appropriate items are checked, then the response of "no" is scored as (-1). The same format is followed throughout the form when a "no" response is scored as (0)or(-1).

4. Orientation:

(Circle digit under appropriate column.)

		Abnormal		
	Normal	Mild	Moderate	Marked
a. Time	+1	-1	-2	-3
Place	+1	-1	-2	-3
Person	+1	-1	-2	-3
Situation	+1	-1	-2	-3

b. Check any which apply:

__-1__ Mistakes unfamiliar persons or objects for familiar ones

__-1__ Easily distracted

__-1__ Wandering attention

__-1__ Confused

5. Memory:

		Abnormal		
	Normal	Mild	Moderate	Marked
a. Disturbance in:				
recent	+1	-1	-2	-3
remote	+1	-1	-2	-3
recent recall*	+1	-1	-2	-3

*as in remembering 3 unrelated words after 3 minutes

b. Digit span: Not scored

Forward_____

Backward_____

c. Check if applicable:

__-1__ Has memory gaps or specific amnesias

__-1__ Complains of forgetfulness

6. Appearance and Behavior: (Check appropriate block for each item)

a. Dress and Grooming

Condition prohibits self care	Yes -1	No +1
Appropriate to situation	Yes +1	No -1
Disheveled	Yes -1	No +1
Overly neat	Yes -1	No +1

b. General Appearance:

(1) Cachexic — Yes -1 — No +1

Fatigued — Yes -1 — No +1

Appears stated age — Yes +1 — No 0 — If No, check one:

+1 Appears younger

-1 Appears older

(2) Posture:
Normal or unremarkable — Yes +1 — No (0)or(-1) — If No, check one:

-1 Stiff, rigid

-1 Stooped

Other

c. Motor Behavior:

(1) Circle digit under appropriate column:

	Normal		Abnormal	
	None	Mild	Moderate	Marked
Psychomotor:				
retardation	+1	-1	-2	-3
excitement	+1	-1	-2	-3
Tenseness	+1	-1	-2	-3
Restless, fidgeting	+1	-1	-2	-3
Tremulousness	+1	-1	-2	-3
Tics	+1	-1	-2	-3
"Startle reactions" (hyper-sensitivity to stimuli)	+1	-1	-2	-3
Psychophysiological signs of anxiety (perspiration, dilated pupils, etc.)	+1	-1	-2	-3

(2) Animation:
Normal Yes +1

No (0)or(-1) If No, check one:

-1 Overly enthusiastic expressive movements

-1 Paucity of expressive movements

(3) Facial Expression:
Normally expressive Yes +1

No (0)or(-1)

Check all applicable

-1 Vacant, blank

-1 Dazed

-1 Fixed expression

-1 Sad, gloomy

-1 Anxious, worried

-1 Overanimated

-1 Tearful

-1 Inappropriate or incongruent

-1 Grimacing

(4) Eye Contact:
Normal Yes +1

No (0)or(-1) If no, check all applicable:

-1 Avoids

-1 Stares into space

-1 Glances about

-1 Shuts eyes often

d. Behavior and Attitudes During Interview:

(1) Rapport: (check one)

-1 poor throughout

-1 slowly or gradually attained

+1 easily attained

Not scored other

(2) Circle digit under appropriate column:

	Not at all	Sometimes - Occasionally	Often or Extensively
Attentive	-1	+1	+2
Cooperative	-1	+1	+2
Frank, open	-1	+1	+2
Evasive	+1	-1	-2
Friendly	-1	+1	+2
Ingratiating	+1	-1	-2
Passive, compliant	+1	-1	-2
Suspicious, guarded	+1	-1	-2
Irritable	+1	-1	-2
Negativistic	+1	-1	-2
Complaining	+1	-1	-2
Defensive	+1	-1	-2
Controlling	+1	-1	-2
Argumentative	+1	-1	-2
Aggressive	+1	-1	-2
Abusive	+1	-1	-2

Critical	+1	-1	-2
Apprehensive	+1	-1	-2
Frightened	+1	-1	-2
React unpredictable	+1	-1	-2
Dramatic, histrionic	+1	-1	-2
Impulsive	+1	-1	-2
Dependent	+1	-1	-2
Shows sense of humor	-1	+1	+2
Withdrawn	+1	-1	-2
Preoccupied	+1	-1	-2
Easily upset by noise, change or confusion	+1	-1	-2

7. Characteristics of Speech:

a. Quality (check all applicable

-1	Very loud	Not scored	Dramatic
-1	Screams, shouts	-1	Slurred
-1	Very soft	-1	Stutters
-1	Monotonous	-1	Mumbles
-1	Whining	+1	Verbally facile
-1	Constricted, tight	Not scored	Calculated, precise
-1	Diminished affectivity	-1	Clipped

b. Productivity

Normal Yes +1

No (0)or(-1) *If no, check one below:*

0 Moderately reduced

-1 Markedly reduced

0 Moderately increased

+1 Markedly increased

c. Rate

Normal Yes +1

No (0)or(-1) *If no, check one below:*

-1 Mildly slowed

-2 Very slowed

-1 Mildly pressured

-2 Very pressured

8. Thought Processes

a. Stream of talk

Normal progression, direction, and coherency:

Yes +1

No (0)or(-1) If no, check all applicable

-1 Halting, uncertain

-1 Expansive, digressive

-1 Rambling, wandering

-1 Vague

-1 Shallow, lack of depth

-1 Difficulty in finding correct word

-1 Uses related but incorrect words

-1 Excessive profanity

-1 Excessive laughing or joking

-1 Uses phrases such as "people's republic", "imperialists", etc.

b. Speech has characteristics of thought disorder:

No +1

Yes -1

c. Does this man show any evidence of paranoia or disorganization of thinking?

Not at all +1

Slight -1

Moderate -2

Severe -3

If yes to b or c, circle digit under appropriate column for each item:

	None	Slight	Moderate	Marked
Incoherence	0	-1	-2	-3
Irrelevance	0	-1	-2	-3
Blocking	0	-1	-2	-3
Circumstantiality	0	-1	-2	-3
Loosening of associations	0	-1	-2	-3
Obscurity	0	-1	-2	-3
Concreteness	0	-1	-2	-3
Difficulty differentiating self from others	0	-1	-2	-3
Perseveration	0	-1	-2	-3
Fragmentation of thinking	0	-1	-2	-3
Neologisms	0	-1	-2	-3
Word salad	0	-1	-2	-3
Flight of ideas	0	-1	-2	-3
Echolalia	0	-1	-2	-3
Clang associations	0	-1	-2	-3
Confabulation	0	-1	-2	-3

Ideas of reference	0	-1	-2	-3
Grandiosity	0	-1	-2	-3
Use of denial	0	-1	-2	-3
Bizarre thoughts	0	-1	-2	-3
Phobia(s)	0	-1	-2	-3
Compulsion(s)	0	-1	-2	-3
Obsession(s)	0	-1	-2	-3
Ambivalence	0	-1	-2	-3
Autism	0	-1	-2	-3
Preoccupied with violence, gore	0	-1	-2	-3
Fixated on POW experiences	0	-1	-2	-3
Fears harm by others	0	-1	-2	-3
Fears doing harm to others	0	-1	-2	-3
Homosexual fears	0	-1	-2	-3
Heterosexual fears	0	-1	-2	-3
Tendency to magical thinking	0	-1	-2	-3
Overvalued ideas	0	-1	-2	-3
Cosmic ideas	0	-1	-2	-3
Excessive religiosity	0	-1	-2	-3
Sexual preoccupations	0	-1	-2	-3
Sexual identity confusion	0	-1	-2	-3
Delusions	0	-1	-2	-3

If circled

Delusions systematized?
Not scored

____No ____Poorly ____Well

Character of delusions:

____Persecutory ____Somatic

____Grandeur ____Other

____Sexual

d. Apprehensive or worried about:

	Not at all	Mildly	Moderately	Markedly
Marriage	+1	-1	-2	-3
Children	+1	-1	-2	-3
Other Family	+1	-1	-2	-3
Notoriety	+1	-1	-2	-3
Health	+1	-1	-2	-3
Career	+1	-1	-2	-3
Finances	+1	-1	-2	-3

Somatic concern (check one)

_+1_ appropriate ____ _-1_ excessive

_-1_ ignores or denies ____ _-1_ fixated

Comment: Not scored

e. Has recurrent intrusive thoughts or images of traumatic events, or stressful experiences:

No _+1_

Yes _-1_ (comment on and describe below)

9. Affect and Feelings

a. Affect

	None	Slight	Moderate	Marked
Flat or bland	+1	-1	-2	-3
Sad or depressed	+1	-1	-2	-3
Gay or euphoric	-1	+1	+2	+3
Inappropriate affect	+1	-1	-2	-3
Apathy	+1	-1	-2	-3
Feelings of guilt	+1	-1	-2	-3
Ambivalence	+1	-1	-2	-3
Overcontrol of emotions	+1	-1	-2	-3
Anxiety	+1	-1	-2	-3
Depression	+1	-1	-2	-3
Emotional lability	+1	-1	-2	-3
Recurrent instrusive feelings or emotions	+1	-1	-2	-3
Anger	+1	-1	-2	-3

Anger If circled

Expressed how? (check one
Not scored
____Directly, openly
____Covertly or indirectly
____Both of the above

Directed against (check all applicable)

____Self
____Relatives, close friends
____Impersonal objects
____Distant acquaintances
____Public figures
____Abstracts (such as society)

b. Rate this man's current level of self-respect: (check one)

-1 Very low
-1 Low
0 Average
+1 High

c. Check all those which apply:

-1 morose
-1 makes light of everything
-1 resentful, bitter
-1 suppresses anger
-1 rationalizes or justifies behavior during captivity
-1 hopelessness
-1 diurnal mood variations
-1 suicidal ruminations
-1 suicidal threats
-1 emotional numbness
-1 previous suicide attempts or gestures
-1 family history of suicide
-1 conceals emotions
-1 discrepancy between verbal and behavioral affect
-1 La Belle Indifference
-1 feelings of failure
-1 feelings of unworthiness
-1 deprecates self
+1 sense of well being

Comment:

10. Perception:

a. Hallucinations
Check one:

Absent ___+1___ (omit remainder of a.)

Suspected ___0___
Definite ___-1___ (if checked)

Check one: _____unformed
Not scored _____formed

Type	None	Mild	Moderate	Marked
Visual	____	____	____	____
Auditory	____	____	____	____
Olfactory	____	____	____	____
Gustatory	____	____	____	____
Tactile	____	____	____	____
Other	____	____	____	____

(specify)

Content: (check all applicable)

_____Threatening
_____Accusatory
_____Flattering
_____Benign
_____Religious
_____Reassuring
_____Sexual

Conviction: (check one)
_____Knows unreal
_____Unsure
_____Convinced

b. Other alterations:

	None	Occasionally	Often
Illusions	+1	-1	-2
Depersonalization	+1	-1	-2
Feelings of unreality	+1	-1	-2
Deja Vu	+1	-1	-2
Mirage-like experiences	+1	-1	-2
Altered time sense	+1	-1	-2
Altered body image	+1	-1	-2
Synesthesias	+1	-1	-2
Heightened sensory experiences	+1	-1	-2

11. Intellectual Functions:

a. General fund of information for subjects' education

___+1___ Appropriate

___+1___ Exceptional

___-1___ Poor

b. Serial 7's: Not Scored

Time of performance_____
Number of errors_____

Completed	____Yes	____No
Recognizes errors	____Yes	____No
Became flustered	____Yes	____No
Excessively concerned with precision	____Yes	____No

Other calculations done: (check one)

___-1 Poorly
___0 Average
___+1 Exceptional

c. Abstraction

Recognizes differences between abstract words (idleness - laziness)	___+1 Yes	___-1 No
Recognizes logical absurdities	___+1 Yes	___-1 No
Recognizes similarities and differences	___+1 Yes	___-1 No

Proverbs (check all applicable)

___+1 Interprets appropriately
___-1 Personalizes
___-1 Concrete
___-1 Same meaning in different proverbs
___-1 Bizarre
___-1 Irrelevant

Abstracting ability generally rated as:

___-1 Poor
___0 Average
___+1 Exceptional

Ability to fantasize and imagination generally rated as:

___-1 Poor
___0 Average
___+1 Exceptional

d. Reasoning and Judgment

	Good	Fair	Poor
Family relations	+1	0	-1
Other social relations	+1	0	-1
Work, career	+1	0	-1
Current condition	+1	0	-1

Future plans: (check one)

___-1 No definite plans
___-1 Poorly conceived
___0 Only fair
___+1 Well-conceived

Not Scored
_____Long Term
_____Short term
_____Both

e. Degree of insight rated as:

___-1 Low
___0 Average
___+1 Exceptional

f. Intelligence estimated as:

___-1 Low
___0 Average
___+1 Exceptional

12. Somatic Functioning:

a. Current appetite (check one)
Normal Yes +1 No -1

(If no) Not scored
____Overeating or excessive
____Poor
____Anorexic

b. Energy level
Normal Yes +1 No -1

Check one: (If no) Not scored

____Very low
____Low
____Normal, but fatigues easily
____Somewhat greater than normal
____Much greater than normal

c. Sexual Functioning:
Normal Yes +1 No -1

Check all applicable: (If no) Not scored

____Low libido
____Loss of libido
____Excessive libido
____Impaired potency
____Impotent

d. Sleep and Dreams: (check all applicable)

-1 Difficulty falling asleep
-1 Early morning awakening
-1 Fragmented sleep
-1 Nightmares

e. Psychophysiological or psychosomatic disturbances:

		Severity		
System	None	Mild	Moderate	Marked
Cardiovascular	+1	-1	-2	-3
Gastrointestinal	+1	-1	-2	-3
Metabolic or Endocrine	+1	-1	-2	-3
Respiratory	+1	-1	-2	-3
Skin	+1	-1	-2	-3
Musculo-Skeletal	+1	-1	-2	-3

13. Social Interactions and Personality Characteristics:

a. Known Disturbed Social Relations:

	None	Mild	Moderate	Marked
Spouse	+1	-1	-2	-3
Parents	+1	-1	-2	-3
Children	+1	-1	-2	-3
Siblings	+1	-1	-2	-3
Authorities	+1	-1	-2	-3
Peers	+1	-1	-2	-3
Subordinates	+1	-1	-2	-3
Other (specify)	0	-1	-2	-3

b. Social Concern:

___-1 Excessive
___+1 Normal
___-1 Sociopathic traits

c. Social Interaction:

___-1 Seclusive or introverted
___+1 Normal
___+1 Outgoing or gregarious

d. Superego Development:

___-1 Less than average
___+1 Average
___-1 Overdeveloped

e. Suggestability:

___+1 Less than average
___+1 Average
___-1 More than average

f. Frustration Tolerance:

___-1 Low
___0 Average
___+1 More than average

g. Impulse Control:

___-1 Poor
___0 Average
___+1 More than average

h. Degree of Rigidity:

___-1 More rigid than average
___0 Average
___+1 More flexible than average

i. Degree of Dependency:

___+1 Less than average
___0 Average
___-1 More than average

j. Use of Humor:

-1 Very little
0 Average
+1 Greater than average

k. Need for achievement:

-1 Minimal
-1 Unrealistically high
+1 Commensurate with abilities or normal

l. Use of Denial:

+1 Minimal
0 Moderate
-1 High

I. DIAGNOSIS:

II. Problem List and Treatment Plans:

1. Problem List

2. Recommendations and Treatment Plans

III. Narrative Summary:

Please include some commentary on the following:

1. Overall experience of captivity and coping mechanisms and defenses used.
2. Current emotional and psychological status.
3. Concerns and pertinent information about relationships with spouse, children, parents, career, etc.
4. Emotional problems prior to capture.
5. Anticipated difficulties in readjustment.
6. Probability of seeking counseling or psychiatric aid, if needed.

APPENDIX II

NAVAL AEROSPACE MEDICAL INSTITUTE

PSYCHIATRIC EVALUATION FORMAT

INSTRUCTIONS

Respond to all scaled items by marking the appropriate number corresponding to your evaluation of the degree to which that particular trait is present in the patient. Note that the traits listed may be either positive or negative ones. The following scale should be used.

0 = absence of trait
1 = trace or very mild
2 = mild
3 = moderate
4 = marked or severe

MENTAL STATUS EXAMINATION

A. General Appearance

1. Appears older than stated age	0	1	2	3	4	001-
2. Appears younger than stated age	0	1	2	3	4	002+
3. Dress						
overly neat	0	1	2	3	4	003-
disheveled	0	1	2	3	4	004-
bizarre or unusual	0	1	2	3	4	005-
4. Poor grooming	0	1	2	3	4	006-
5. Poor personal hygiene	0	1	2	3	4	007-
6. Motor behavior						
restlessness	0	1	2	3	4	008-
fidgety	0	1	2	3	4	009-
pacing	0	1	2	3	4	010-
handwringing	0	1	2	3	4	011-
posturing	0	1	2	3	4	012-
mannerisms	0	1	2	3	4	013-
repetitive acts	0	1	2	3	4	014-
compulsive acts	0	1	2	3	4	015-
7. Facial expression						
sad	0	1	2	3	4	016-
expressionless	0	1	2	3	4	017-
angry	0	1	2	3	4	018-
anxious	0	1	2	3	4	019-
worried	0	1	2	3	4	020-
elated	0	1	2	3	4	021-
avoids direct contact	0	1	2	3	4	022-
stares into space	0	1	2	3	4	023-
8. Speech						
slow	0	1	2	3	4	024-
fast	0	1	2	3	4	025-
verbose	0	1	2	3	4	026-
laconic	0	1	2	3	4	027-
soft	0	1	2	3	4	028-
loud	0	1	2	3	4	029-
monotone	0	1	2	3	4	030-
9. Attitudes during interview						
indifference	0	1	2	3	4	031-
passive	0	1	2	3	4	032-
dependent	0	1	2	3	4	033-
aggressive	0	1	2	3	4	034-
hostile	0	1	2	3	4	035-
suspicious	0	1	2	3	4	036-
seductive	0	1	2	3	4	037-
friendly	0	1	2	3	4	038+
cooperative	0	1	2	3	4	039+
manipulative	0	1	2	3	4	040-
rebellious	0	1	2	3	4	041-

dramatic	0	1	2	3	4	042-
change during interview	0	1	2	3	4	043(not scored)

B. Psychological Functioning

1. Openness-Defensiveness
(Where patient is open and free in his world - with self, others, things, examiner - and where he is in conflict and defended and unfree)

a. Ego strengths
(Freedom, openness, authenticity)

alert	0	1	2	3	4	044+
energetic	0	1	2	3	4	045+
open	0	1	2	3	4	046+
warmth	0	1	2	3	4	047+
spontaneity	0	1	2	3	4	048+
candor	0	1	2	3	4	049+
responsiveness	0	1	2	3	4	050+
flexibility	0	1	2	3	4	051+
range of interests	0	1	2	3	4	052+
creative and/or problem solving fantasy	0	1	2	3	4	053+
sense of humor	0	1	2	3	4	054+
self-acceptance	0	1	2	3	4	055+
concern for others	0	1	2	3	4	056+
goal-oriented	0	1	2	3	4	057+
positive outlook	0	1	2	3	4	058+
productive	0	1	2	3	4	059+
responsibility	0	1	2	3	4	060+

b. Ego defense
(Constriction, immaturity, inauthenticity)

1)Mechanisms of defense

denial	0	1	2	3	4	061-
restriction of ego functioning	0	1	2	3	4	062-
fantasy	0	1	2	3	4	063-
incorporation	0	1	2	3	4	064-
introjection	0	1	2	3	4	065-
projection	0	1	2	3	4	066-
externalization	0	1	2	3	4	067-
turning-against-the-self	0	1	2	3	4	068-
undoing	0	1	2	3	4	069-
reaction-formation	0	1	2	3	4	070-
isolation of affect	0	1	2	3	4	071-
intellectualization	0	1	2	3	4	072-
fixation	0	1	2	3	4	073-
regression	0	1	2	3	4	074-
repression	0	1	2	3	4	075-
displacement	0	1	2	3	4	076-
rationalization	0	1	2	3	4	077-
minimization	0	1	2	3	4	078-
identification	0	1	2	3	4	079-
avoidance	0	1	2	3	4	080-
compensation	0	1	2	3	4	081-
sublimation	0	1	2	3	4	082-
suppression	0	1	2	3	4	083-
other	0	1	2	3	4	084-

2)Immature personality patterns

withdrawn	0	1	2	3	4	085-
detached	0	1	2	3	4	086-
ineffectual	0	1	2	3	4	087-
narcissistic	0	1	2	3	4	088-
callous	0	1	2	3	4	089-
cold	0	1	2	3	4	090-
manipulative	0	1	2	3	4	091-
deceptive	0	1	2	3	4	092-
impulsive	0	1	2	3	4	093-
irresponsible	0	1	2	3	4	094-
evasive	0	1	2	3	4	095-
guarded	0	1	2	3	4	096-
suspicious	0	1	2	3	4	097-
argumentative	0	1	2	3	4	098-
litigious	0	1	2	3	4	099-
jealous	0	1	2	3	4	100-
grandoise	0	1	2	3	4	101-
elated	0	1	2	3	4	102-
flighty	0	1	2	3	4	103-

hypomanic	0	1	2	3	4	104-
pessimistic	0	1	2	3	4	105-
lethargic	0	1	2	3	4	106-
asthenic	0	1	2	3	4	107-
passive	0	1	2	3	4	108-
submissive	0	1	2	3	4	109-
dependent	0	1	2	3	4	110-
clinging	0	1	2	3	4	111-
aggressive	0	1	2	3	4	112-
angry	0	1	2	3	4	113-
hostile	0	1	2	3	4	114-
explosive	0	1	2	3	4	115-
cocky	0	1	2	3	4	116-
provocative	0	1	2	3	4	117-
stubborn	0	1	2	3	4	118-
rebellious	0	1	2	3	4	119-
overly confirming	0	1	2	3	4	120-
meticulous	0	1	2	3	4	121-
perfectionistic	0	1	2	3	4	122-
miserly	0	1	2	3	4	123-
rigid	0	1	2	3	4	124-
critical	0	1	2	3	4	125-
indecisive	0	1	2	3	4	126-
emotionally labile	0	1	2	3	4	127-
histrionic	0	1	2	3	4	128-
effeminate	0	1	2	3	4	129-
masculine (defensively exaggerated)	0	1	2	3	4	130-
sexually provocative	0	1	2	3	4	131-
immature	0	1	2	3	4	132-
naive	0	1	2	3	4	133-
other	0	1	2	3	4	134-
3) Sexual deviations						
homosexuality	0	1	2	3	4	135-
fetishism	0	1	2	3	4	136-
pedophilia	0	1	2	3	4	137-
transvestitism	0	1	2	3	4	138-
exhibitionism	0	1	2	3	4	139-
voyeurism	0	1	2	3	4	140-
sadism	0	1	2	3	4	141-
masochism	0	1	2	3	4	142-
other *(Specify)*	0	1	2	3	4	143-
4) Abuse of drugs						
alcohol	0	1	2	3	4	144-
medicine	0	1	2	3	4	145-
drugs	0	1	2	3	4	146-
5) Neurotic symptoms						
anxious	0	1	2	3	4	147-
tense	0	1	2	3	4	148-
frightened	0	1	2	3	4	149-
perspiring	0	1	2	3	4	150-
worried	0	1	2	3	4	151-
fidgety	0	1	2	3	4	152-
restless	0	1	2	3	4	153-
insomnia, initial	0	1	2	3	4	154-
disturbing dreams	0	1	2	3	4	155-
repetitive dreams	0	1	2	3	4	156 (not scored)
blindness	0	1	2	3	4	157-
deafness	0	1	2	3	4	158-
anosmia	0	1	2	3	4	159-
hypesthesia	0	1	2	3	4	160-
paresthesia	0	1	2	3	4	161-
anesthesia	0	1	2	3	4	162-
impotence	0	1	2	3	4	163-
frigidity	0	1	2	3	4	164-
paralysis	0	1	2	3	4	165-
ataxia	0	1	2	3	4	166-
dyskinesia	0	1	2	3	4	167-
akinesia	0	1	2	3	4	168-
la belle indifference	0	1	2	3	4	169-
anmesia	0	1	2	3	4	170-
fugue	0	1	2	3	4	171-
somnambulism	0	1	2	3	4	172-
dissociation of body part	0	1	2	3	4	173-
feelings of estrangement	0	1	2	3	4	174-
feelings of unreality	0	1	2	3	4	175-
feelings of depersonalization	0	1	2	3	4	176-

multiple personality	0	1	2	3	4	177-
irrational fears	0	1	2	3	4	178-
obsessions	0	1	2	3	4	179-
compulsions	0	1	2	3	4	180-
ruminations	0	1	2	3	4	181-
depressed	0	1	2	3	4	182-
tearful	0	1	2	3	4	183-
lonely	0	1	2	3	4	184-
irritable	0	1	2	3	4	185-
loss of interest	0	1	2	3	4	186-
loss of energy	0	1	2	3	4	187-
anorexia	0	1	2	3	4	188-
bulimia	0	1	2	3	4	189-
insomnia, early morning	0	1	2	3	4	190-
loss of sexual interest	0	1	2	3	4	191-
self-doubt	0	1	2	3	4	192-
self-critical	0	1	2	3	4	193-
guilt feelings	0	1	2	3	4	194-
feelings of shame	0	1	2	3	4	195-
hopelessness	0	1	2	3	4	196-
suicidal ideation	0	1	2	3	4	197-
fatigue	0	1	2	3	4	198-
weakness	0	1	2	3	4	199-
exhaustion	0	1	2	3	4	200-
somatic preoccupation	0	1	2	3	4	201-
fear of disease	0	1	2	3	4	202-
other (Specify)	0	1	2	3	4	203-
6) Psychophysiologic symptoms						
skin	0	1	2	3	4	204-
musculoskeletal	0	1	2	3	4	205-
respiratory	0	1	2	3	4	206-
cardiovascular	0	1	2	3	4	207-
hemic and lymphatic	0	1	2	3	4	208-
gastrointestinal	0	1	2	3	4	209-
genitourinary	0	1	2	3	4	210-
endocrine	0	1	2	3	4	211-
special sense	0	1	2	3	4	212-
other (Specify)	0	1	2	3	4	213-
7) Special symptom (Specify)	0	1	2	3	4	214-
8) Psychotic symptoms						
circumstantiality	0	1	2	3	4	215-
tangentiality	0	1	2	3	4	216-
concreteness	0	1	2	3	4	217-
blocking	0	1	2	3	4	218-
deja vu	0	1	2	3	4	219-
jamais vu	0	1	2	3	4	220-
deja entendu	0	1	2	3	4	221-
neologisms	0	1	2	3	4	222-
reality testing, impairment of	0	1	2	3	4	223-
ideas of reference	0	1	2	3	4	224-
ideas of influence	0	1	2	3	4	225-
autistic thinking	0	1	2	3	4	226-
confabulation	0	1	2	3	4	227-
loss of ego boundaries	0	1	2	3	4	228-
delusions						
of grandiosity	0	1	2	3	4	229-
of persecution	0	1	2	3	4	230-
somatic	0	1	2	3	4	231-
of world destruction	0	1	2	3	4	232-
other (Specify)	0	1	2	3	4	233-
hallucinations						
auditory	0	1	2	3	4	234-
visual	0	1	2	3	4	235-
olfactory	0	1	2	3	4	236-
tactile	0	1	2	3	4	237-
stilted language	0	1	2	3	4	238-
loosening of associations	0	1	2	3	4	239-
confusion	0	1	2	3	4	240-
fragmentation	0	1	2	3	4	241-
verbigeration	0	1	2	3	4	242-
regressive behavior	0	1	2	3	4	243-
echolalia	0	1	2	3	4	244-

echopraxia	0	1	2	3	4	245-
stereotypy	0	1	2	3	4	246-
ambivalence	0	1	2	3	4	247-
negativism	0	1	2	3	4	248-
autism	0	1	2	3	4	249-
mutism	0	1	2	3	4	250-
waxy flexibility	0	1	2	3	4	251-
excitement	0	1	2	3	4	252-
flight of ideas	0	1	2	3	4	253-
clang associations	0	1	2	3	4	254-
suicdal	0	1	2	3	4	255-
homocidal	0	1	2	3	4	256-
other *(Specify)*	0	1	2	3	4	257-
2. Affect						
anxious	0	1	2	3	4	258-
fearful	0	1	2	3	4	259-
angry	0	1	2	3	4	260-
sad	0	1	2	3	4	261-
apathetic	0	1	2	3	4	262-
elated	0	1	2	3	4	263-
labile	0	1	2	3	4	264-
diurnal variation	0	1	2	3	4	265-
cyclothymic	0	1	2	3	4	266-
constricted	0	1	2	3	4	267-
flattened	0	1	2	3	4	268-
inappropriate	0	1	2	3	4	269-
silly	0	1	2	3	4	270-
bizarre	0	1	2	3	4	271-
other *(Specify)*	0	1	2	3	4	272-
c. Organic Brain Functioning						
1. Motor Behavior						
increased amount	0	1	2	3	4	273-
flighty	0	1	2	3	4	274-
decreased amount	0	1	2	3	4	275-
retarded	0	1	2	3	4	276-
neurological impairment *(Specify)*	0	1	2	3	4	277-
2. Sensorium, Impairment of						
a. General						
level of consciousness	0	1	2	3	4	278-
attention	0	1	2	3	4	279-
concentration	0	1	2	3	4	280-
b. Orientation						
time	0	1	2	3	4	281-
place	0	1	2	3	4	282-
person	0	1	2	3	4	283-
situation *(Context)*	0	1	2	3	4	284-
c. Memory						
immediate recall	0	1	2	3	4	285-
recent	0	1	2	3	4	286-
remote	0	1	2	3	4	287-
fund of general information	0	1	2	3	4	288-
vocabulary	0	1	2	3	4	289-
3. Perception						
illusions	0	1	2	3	4	290-
hallucinations	0	1	2	3	4	291-
hypnagogic hallucinations	0	1	2	3	4	292-
hypnopompic hallucinations	0	1	2	3	4	293-
other alterations	0	1	2	3	4	294-
4. Speech, Impairment of						
a. Quality						
soft	0	1	2	3	4	295-
loud	0	1	2	3	4	296-
other *(Specify)*	0	1	2	3	4	297-
b. Rate						
slow	0	1	2	3	4	298-
fast	0	1	2	3	4	299-

c. Other							
irregular	0	1	2	3	4	300-
perseverative	0	1	2	3	4	301-
aphasic	0	1	2	3	4	302-
paraphasic	0	1	2	3	4	303-
dysarthric	0	1	2	3	4	304-
dysphonic	0	1	2	3	4	305-
aphonic	0	1	2	3	4	306-
5. Calculations, Impairment of	0	1	2	3	4	307-
6. Creativity, Impairment of						
imagination - ability to fantasize	0	1	2	3	4	308-
abstractive ability *(similarities-differences)*	0	1	2	3	4	309-
proverb interpretation						
abstract	0	1	2	3	4	310+
concrete	0	1	2	3	4	311-
autistic	0	1	2	3	4	312-
bizarre	0	1	2	3	4	313-
irrelevant	0	1	2	3	4	314-
reasoning	0	1	2	3	4	315-
comprehension	0	1	2	3	4	316-
7. IQ Estimate	0	1	2	3	4	317 (not scored)
D. Judgment, Impairment of						
family	0	1	2	3	4	318-
social	0	1	2	3	4	319-
financial	0	1	2	3	4	320-
occupational	0	1	2	3	4	321-
personal health	0	1	2	3	4	322-
E. Insight						
recognition that one is ill	0	1	2	3	4	323 (not scored)
recognition of one's own contribution to creating problem or illness	0	1	2	3	4	324 (not scored)
recognition of need for assistance	0	1	2	3	4	325 (not scored)
F. Potential for Therapeutic Alliance	0	1	2	3	4	326 (not scored)

V. PSYCHOLOGICAL TEST RESULTS

VI. ASSESSMENT

A. Capsule Summary

(This should include elements of the patient's personality pattern, current life crisis or precipitating context, and symptoms or behaviors)

B. Diagnoses

C. Problem List

VII. PLAN