

The USAF has been privileged by the opportunity to participate in the selection of volunteers for Project Mercury. The Aero Medical Laboratory, Wright Air Development Center, has a Crew Selection Development Program which will be used on the subjects. The Laboratory Coordinator for the entire program is Lt. Colonel William R. Turner, USAF (MC), the Task Coordinator is Captain Charles L. Wilson, USAF (MC), and the Escort Officer is 1/Lt Walter B. Sullivan, USAF (MSC). You will be given the office and home telephone numbers of each of these people.

The purpose of this Crew Selection Development Program is to examine each NASA candidate and evaluate his physiological and psychological behavior under a variety of stresses. The records of the performance of each candidate will be forwarded to NASA which will utilize these data as well as those collected at the Lovelace Clinic and other testing facilities. NASA will then make the final selection. Therefore, the main contribution of the Aero Medical Laboratory will be to subject each of the candidates to a standard series of crew selection tests and submit the results to NASA for interpretation. The data collected in this program will be used for Project Mercury purposes only and will not be incorporated into flying records, and is therefore not a threat to flying status if a subject should become lightheaded or faint.

At the end of this one-week program of stress testing, each of you will be asked for your critique of the scheduling, transportation, billeting, and for any other constructive criticisms you may have of the series.

You are requested to familiarize yourself with your schedule, noting that each is different. On the mornings for which you are scheduled to report to Acceleration or Respiration, please do not drink coffee or tea for breakfast since this affects the biochemical test on your urine. So that you may be in the best physical condition during this week, you are encouraged to get as much sleep as possible and drink only moderately. Before reporting to Anthropology go to the Basement of Building 246 where you will be dressed in underwear and a flying coverall. You will then return to shower and dress. You are requested not to discuss at any time your reactions or impressions of any of the tests with the other candidates. Preconceived ideas as to a response in the test will considerably alter the final evaluation of the subject.

On pages 26-43 of the brochure you will receive are maps of Wright-Patterson Air Force Base and a list of the various on-base recreation and restaurant facilities and their hours.

For your on-base transportation, a driver and staff car from the Base Motor Pool have been assigned to each NASA group for one week. This car will be at your disposal, taking you to and from the Aero Medical Laboratory each day. For off-base transportation, the telephone number of the Fairborn Cab Company is Trojan 8-8608.

Finally, it is a great pleasure to have you here at Wright-Patterson. We wish to make you as comfortable as possible during your visit and we look forward to an interesting and profitable week with you.

- 1 - Glenn, John
- 2 - Frazer, Frank
- 3 - Salladay, Bob
- 4 - Carpenter, Scott
- 5 - Collett, Jack
- 6 - Bogar, Tom

25/58

SUBJECT #1

MONDAY

0800	Stress & Fatigue	Building 33/1	Dr. Levy
0900	Acceleration	Building 33/2	Dr. Lindberg
1000	Anthropology <small>(DRAW SUIT)</small>	Building 33/Basement	Mr. Clauser
1300	Respiration <small>(IN PASSENGER)</small>	Building 248/Basement	Dr. Wilson

TUESDAY

0800	Respiration	Building 248/Basement	Dr. Weis
1300	Stress & Fatigue (Iso)	Building 33/1	Dr. Ruff

WEDNESDAY

0800	Stress & Fatigue	Building 33/1	Thaler or Jackson
1000	Acceleration	Building 33/2	Dr. Lindberg
1230	Environment	Building 29/Basement	Dr. Gold

THURSDAY

0800	Stress & Fatigue	Building 33/1	Thaler or Jackson
1100	Acceleration	Building 33/2	Dr. Lindberg
1300	Bioacoustics	Building 23 & 441	Dr. Hansen & Dr. Maggid

FRIDAY

0800	Respiration	Building 248/Basement	Dr. Weis
1300	Stress & Fatigue	Building 33/1	Dr. Trites

[Faint handwritten notes and signatures at the bottom of the page, including names like 'Thaler', 'Lindberg', and 'Hansen']

Pictures everywhere

Thurs off.

Bioindicator
add test 3 min
145 decibel & add 3 min
add 3 min

Speech intelligibility
Record statements, words, etc.

(Panel of 10 score tests)
Speech chair
Mousing shot - stick - mysets

5 min practice & then vibrate to 14 cps $3/4$ in amplif.

Blindfold & practice 4 min

1 min with 1 min & without 2 min
at 2 cps, 5, 8, 11, 14 cps

7 min
Psychic tests

7 pack test 40 man HG (2 min / 9 sec)

Harvard step test
Compl cycle (2 sec)

3 min
Tilt table (BP & pulse) 25 min at 60°

5 min (150 cps) did 155 on your
Pulse
OK

Afternoon

Psychic tests
Scoliot box
normal 35 min
2x speed 35"
4x speed 40"

Psychic tests

Even
Psychic tests
mech. (Navy)
offic. qual