



UNIVERSITY OF MINNESOTA
TWIN CITIES

Department of Psychology
Elliott Hall
75 East River Road
Minneapolis, Minnesota 55455

March 1, 1979

Dear Mr. Springer:

I'd like to thank you very much for your gracious acceptance of our invitation to come to the Twin Cities and participate in our study. I've begun to make the necessary arrangements and want to bring you up to date on everything.

The airline reservations have been made and prepaid. I have enclosed two copies of your itinerary and the travel shop receipt. The receipt is simply for your information. The tickets will be available at the Dayton airport after March 9th. You might call and check on them to be sure. Actually the tickets will be on the computer so if you intend to pick them up before the flight go an hour or so early so they can have them printed. I have also made reservations at a downtown hotel - the Sheraton. I am enclosing two xerox copies of the reservations. I will be at the airport to meet your flight and bring you into the city.

As I indicated on the phone we would like you to spend five days here at our expense. Four of the days will be devoted to various medical and psychological studies. The fifth day will be open and we will be happy to give you a tour of the Twin Cities. The studies will take place from 8:00 a.m. to 5:00 p.m. so your evenings will be free (although we hope you would accept an invitation to dinner and cocktails at least one evening).

The types of studies we hope you would participate in are listed below. The order in which we do them will be different for both you and your brother. The brief descriptions I am providing here are not completely adequate and we hope to meet with you and your brother (and your wives if they would like) over a long breakfast and coffee on Monday morning. This way you could meet with the team of investigators and ask any questions you have before we begin. Let me briefly tell you who the participating scientists are:

1. Prof. Thomas J. Bouchard, Jr., Ph.D., Professor of Psychology: I have a Ph.D. from the University of California at Berkeley. My area of interest is Individual Differences. This means I work with Personality Tests, Interest Inventories, Mental Ability tests. In particular I have been studying the development of spatial ability - the ability to look at a solid object and rotate in your head and report what it would look like if rotated. I am also

an industrial-organizational psychologist.

2. Prof. Irving Gottesman, Ph.D., Professor of Psychology earned his Ph.D. at the University of Minnesota and taught elsewhere (Harvard University) before returning to Minnesota. He has studied twins during his entire career. His thesis at Minnesota was a study of the personality development of twins. He also conducted a major study of twins in England (over a 15 year period) with Prof. James Shields. Prof. Shields (now deceased) had studied the largest number of identical twins reared apart in the world. Prof. Gottesman is now in charge of all the information that had been gathered.

3. Prof. Leonard Heston, M.D., Professor Of Psychiatry: Prof. Heston earned his medical degree from the University of Oregon. His major area of interest has been the inheritance of mental disorders and the study of biochemical systems underlying mental disorder. He has studied adopted children and has a pair of identical twin daughters.

4. Prof. David Lykken, Ph.D., Professor of Psychology, earned his degree at the University of Minnesota and has been a full time researcher there ever since. His major areas of interest are psychophysiology (measurement of brain waves, and the galvanic skin response used by lie detection devices - Prof. Lykken is a formidable opponent of the lie detection industry) personality, and the study of twins. He and Prof. Tellegen (see below) have studied over 500 pairs of twins since 1970.

5. Prof. Auke Tellegen, Ph.D., Professor of Psychology earned his degree at the University of Minnesota and taught at the University of Michigan before returning to Minnesota. His major area of interest is personality. He has just completed the creation of a major new personality inventory. He also works closely with Professor Lykken in the areas of psychophysiology and twins.

Types of Studies:

Medical History and Physical Examination: Dr. Heston will take an extensive medical history. It might help if you tried to think of all the childhood illnesses that you had, when you had them, and how sick you were, and things like that. The physical will be much the same as you would get at your regular doctor but more detailed and more thoroughly carried out. If you have any medical records or other records we would appreciate bringing them with you. Sometimes birth certificates and school records have useful information on them. Dr. Heston will give you a full report on your medical status. Since he has studied adopted children and has twin children you will want to use him as a source of information. We hope you will ask him any questions you might have.

Social Life History Interview: Two of us will conduct a detailed life history interview beginning with your earliest recall and moving up to current events. We hope to video tape these interviews for future analysis. These interviews could be quite long so they will probably be broken into two parts. Again, if you have any records such as diaries or pictures of childhood, school yearbook, etc., if you brought them they would help you recall things.

We would also be very interested in seeing such records if you would be willing to share them with us.

This is perhaps a good place to emphasize that anything we ask you to do will be fully explained as to how the information will be analyzed and why we want you to do it. Furthermore you have the right to decline to take any of the tests or to decline to answer any questions. There may be questions you would be happy to answer but would like to see us keep confidential. We are all bound to maintain such confidentiality under medical and research ethics. These are points we would hope to discuss at the Monday breakfast and which you can discuss with Dr. Heston (or any of us) individually. I (Prof. Bouchard) will try to be available 24 hours a day during your stay in Minneapolis.

Psychophysiological Assessment. Prof. Lykken will take measurements of your EEG (brain waves), EKG (heart pattern), GSR (galvanic skin response) and a number of speed of reaction measures. You will find his computer laboratory fascinating. He will also take a number of photographs. I am sure he will show you the photos of his 500 pairs of twins. They are all over the walls. As an aside, he is now even studying some of their children. Twins love to come to the lab. Even I find it exciting. If your wife or your brothers wife would like to see it, we would be happy to show it to them.

The laboratory has a nice computer and you will get a chance to interact with it because it gives psychological tests. Prof. Lykken will also ask you to take a few paper and pencil personality tests.

Individual Testing: A skilled clinical psychologist will be available to administer an individual intelligence test. This will be the same test given to Roger and Tony and will allow us to compare your data with theirs (I will discuss this pair of separated twins below. You may have already heard about them).

Special Ability, Personality, and Interest Testing: One of the things that has never been studied using identical twins reared apart is similarity in special abilities. These are abilities like spatial ability (which I mentioned earlier). Others are verbal fluency, perceptual speed and accuracy, associative memory, memory span, auditory ability, etc. We would like to give both of you a battery of these tests. In the personality area we would want you to take three tests. The new test developed by Prof. Tellegen called the Differential Personality Questionnaire and two other famous tests developed at the University of Minnesota. The California Psychological Inventory (it's called California because the author teaches in California but he developed the test here at Minnesota) and the Minnesota Multiphasic Personality Inventory. If we have time we will also have you take a few psycho-motor tasks. Things like eye-hand coordination.

As I look at this list of things I feel like we are going to wear both of you down with things to do. I remember that the astronauts had so many things to do in the space lab that they finally refused, so we are going to try and make the testing reasonable. I am going to take every test that we ask

you and your brother to take.

Aside from airline tickets and the five days in the hotel we will also cover lost wages for both you and your brother. We will work this out when you get here. In addition, we can provide you each with \$150 as a token of appreciation for participating in the study. All four of you will also get \$20 per day to cover food costs. I will try to make some of the money available as soon as you arrive.

Other matters: A book has come to my attention that I know you will find fascinating.

Lindeman, Bard. The twins who found each other. New York: William Morrow, 1969.

We are going to try to contact the brothers, Roger Brooks and Tony Milasi.

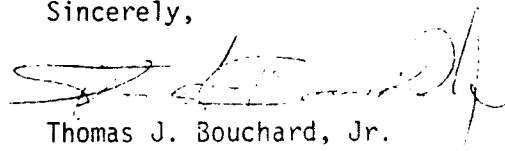
I enclose a letter from a local TV station. I told them they should contact you as I could not speak for you. I did say I would send the letter on. I suspect you have already been contacted by NBC news. Let me say that we have no objection to your making any arrangement with the news media as long as there is no serious interference with our work. The publicity would help us find new pairs of twins. Aside from Roger and Tony we are on the track of a pair of 67 year old twins living in Florida and Kentucky.

This letter is getting so long I feel I have to sign off. If I think of anything else I will write again. I will also call a few days before you are scheduled to arrive.

Best of luck to you, your brother, and your wives. If there is anything I can do for you in the meantime, feel free to call me collect

office 612-373-0161
home 612-475-3342.

Sincerely,



Thomas J. Bouchard, Jr.
Professor of Psychology

TJB/jw
Enclosures