CHAPTER IV

STATIC ELECTRICITY
AND YOUR WARRANTY

<u>THIS SMALL BUT IMPORTANT TOPIC HAS BEEN ELEVATED TO CHAPTER STATUS TO INSURE NO ONE MISSES THE POINT.</u>

The subject of static electricity and its effect on your SE-5 *1000* is important to you for three reasons:

1. Your SE-5 *1000* may not work if it receives a jolt of too much static electricity.

2. As of June 1, 1988 your warranty does not cover the cost of repair of static electricity damage to the computer as it is not due to malfunction of the equipment.

3. It will cost you a minimum of $50.00 to get it fixed, plus transportation costs and down time from use.

To summarize static electricity references:

1. The computer in the SE-5 *1000*, like any computer, can be damaged by static electricity.

2. If the computer display shows mixed messages or unitelligble words when using the function keys for accessing program, or nothing shows on the screen, the computer program has probably been lost to static electricity or some other misfortune.

3. If the computer screen shows lines or blank areas where the number should be, static electricity has damaged the display memory. If pressing[CLOSE] or turning the SE-5 *1000* ON and OFF doesn't eliminate this problem, you probably have static electricity damage.

4. If the SE-5 *1000* does not work after following all the instructions in the Instruction Manual Addendum, it has probably received static electricity damage.

5. If you think your computer has static damage, contact your dealer for instructions.

6. In some instances the aforementioned problems may be due to low batteries in the SE-5 *1000* or low voltage from your USB port in your computer. If such is the case, a change of batteries should take care of the problem.

7. Please follow the below listed explanation, instructions and precautions (a-e):

a) Static electricity is very troublesome to computers. Many manufacturers and marketers of computer systems sell an anti-static mat on which to place their computer. The mat has a wire that connects to the 120- volt electrical system ground or a water pipe. Printed on the mat are the words, "touch here first." The reason is to get rid of any static electricity you might have on your body from having walked with rubber or synthetic shoes on a carpet, tile, or even a wood floor. Many thousands of volts can be generated in dry weather by simple movements around a room or even sitting at a desk, moving the sleeves of a shirt or sweater, combing hair, etc.

b) Such a jolt of electricity, even though you may not feel it, can damage the CMOS integrated circuits (IC's) used in today's computers. The static electricity causes some of the transistors and diodes in the IC's to become defective. If these are memory circuits, the information stored in the computer memory can be erased. This static electricity can even damage the computer parts that operate the liquid crystal display, causing strange characters or lines to appear.

c) **WE URGE YOU TO FOLLOW THE SUGGESTIONS TO TOUCH SOMETHING THAT IS GROUNDED, SUCH AS A PIPE, ELECTRICAL OUTLET, SWITCH PLATE OR LAMP, TO AVOID STATIC ELECTRICITY PROBLEMS. THEN TOUCH THE SE-5 *1000* AMPLITUDE KNOB TO DISSIPATE ANY FURTHER ELECTRIC CHARGE. DON'T USE THE SE-5 *1000* ON YOUR LAP OR IN THE VICINITY OF NEGATIVE ION GENERATORS. THIS SHOULD PREVENT ANY DANGER OF STATIC ELECTRICITY FROM YOUR BODY HARMING THE COMPUTER CHIPS IN YOUR SE-5 *1000*. DO THIS EVERY TIME YOU MOVE ABOUT IN DRY WEATHER. ANY RESEARCH SUBJECT WHO WILL BE TOUCHING THE INSTRUMENT OR ANY OF THE ACCESSORIES, ESPECIALLY THE INPUT PLATE, SHOULD ALSO GROUND THEMSELVES.**

d) The SE-5 *1000* and its parts need cleaning from time to time. Use a damp cloth or paper towel with a small amount of mild soap. You can also use a Downey Antistatic cloth or antistatic spray on the SE-5 *1000* and the computer after cleaning for added protection.

e) **IF YOU HAVE A PROBLEM, CONTACT YOUR DEALER**.