With this slogan on our masthead we burst into print with Issue No. 1 of the NCSL Publicity Release. If we don't receive too much adverse comment, the second issue might materialize one of these days!

As if to confirm our belief that MEASUREMENTS STANDARDS is becoming recognized by industry as an essential activity we can report that up-coming issues of Microwaves, Research/Development, and Space/Aeronautics have requested information articles on this subject. Keep your eyes peeled during the period July through November for some complete coverage reports on aspects of the program which we support so valiantly.

Many of you are aware, because of personal attendance, that the NCSL sprang into action to detect and analyze operational problems in standards laboratories by conducting two series of WORKSHOPS. The first series, held at the NBS Boulder Laboratories on January 23-25, 1962 received excellent support from industry and government. The three topics covered were "CALIBRATION TRACEABILITY AND MEASUREMENT AGREEMENT"; "EVALUATION, SELECTION AND TRAINING OF MEASUREMENTS STANDARDS PERSONNEL"; and "STANDARDS LABORATORY WORK LOAD CONTROL". Our organization is indebted to Shel Richardson, Woodie Woodington and Jerry Hayes for handling the Chairman's jobs for these sessions. It was rough on these men - going into a completely new approach to our laboratory problems with no certainty as to the reaction of the participants. All attendees came away with something new, we can be certain.
On April 16-18, 1962, heartened by the results of the first WORKSHOP, NCSL presented its second WORKSHOP series at Washington, D. C. As before, we gratefully accepted the offer of a meeting place which was extended by NBS. This series, covering "CALIBRATION PROCEDURES, TECHNIQUES AND SPECIFICATIONS"; "RELIABILITY OF MEASUREMENT STANDARDS AND INSTRUMENTS"; and "CALIBRATION COST REDUCTION AND VALUE ANALYSIS" had as chairmen, Pete Joeschke, Lee Hachey, and Herb Barnhart. As before, each chairman was made aware in very forceful manner, the extent of the problems which beset us every day. We look forward to recaps of the data derived from each series. Don't forget that these meetings played a very important part in formulating the material and approach to be incorporated into the AUGUST CONFERENCE. In other words, our pin feathers are beginning to sprout! And if you don't think that everyone enjoyed the sessions, take a look at some participants at a Boulder session - below - courtesy of NBS photographer.

As you may remember, GEORGE WASHINGTON UNIVERSITY pioneered last summer by introducing a special set of lecture-laboratory courses on the subject of PRECISION MEASUREMENTS. Encouraged by the participation last year, the subject will be repeated again this year during the period June 11-22. The first week is devoted to
"Foundations of Precise Measurements", the second week has a parallel offering, one session covers "Precise Electrical Measurements", the other will study "Transducers in Precise Measurements". The University is to be complimented on its attempts to clarify these subjects to the participants who display great variation in background and experience.

In the same area of summer schooling, those of you interested in RADIO PROPAGATION should take heed of the SUMMER SCHOOL at the NBS Boulder Laboratories July 16 through August 3. The 3-week course is devoted to a discussion of the fundamentals of radio propagation, latest advances in the state-of-the-art, and the application of this knowledge to the design and development of communication systems. This course is modeled after one presented in 1961, with extensions both in theory and scope. Contact Edmund H. Brown, Education Director, Boulder Laboratories, National Bureau of Standards, Boulder, Colorado for details.

In connection with all this education effort, the most vigorous and pertinent EDITORIAL seen in these parts on the subject so dear to our hearts was run in the Gilmore Industries, Inc. "Gilmore Journal" in the May-June, 1960 issue. Entitled "Measurement Engineering: When Will It Be Recognized?" and guest-written by Peter Stein, Associate Professor of Engineering at Arizona State University, its theme was

WHERE DO WE TRAIN MEASUREMENTS ENGINEERS?

Mr. Stein makes much of the fact that..."in our universities we teach a lot of INSTRUMENTATION-the technology ... and very little MEASUREMENT ENGINEERING-the science".

As evidence that Arizona State practices what it editorializes about, the second Measurement Engineering program of special presentations was given at the University, January 29-February 2 this year. We don't have any feedback on attendance but certainly wish both Arizona State and George Washington the best in their attempts to formalize the approach to Measurement Engineering.

The committee appointed to labor upon a set of BYLAWS for NCSL is rapidly concluding its task. Shortly, it is hoped that the General Committee will vote upon the proposed operational guides, thereby enabling attendees at the AUGUST CONFERENCE to receive their copies. Meanwhile, Program Chairman Charlie Johnson reports that the OFFICIAL PROGRAM for the CONFERENCE will be out shortly after June 15.
During the month of May, the WORK LOAD CONTROL COMMITTEE headed by Jerry Hayes circulated a survey on practices from which they hope to derive some meaty material upon which to feed. We are looking forward to a smooth digestion to be followed by a worthwhile presentation of facts and figures which will help to prevent incidents such as that portrayed by the illustration on the next page.

For your future planning don't overlook the 1963 INTERNATIONAL SYMPOSIUM ON HUMIDITY AND MOISTURE May 20-23, 1963 in Washington, D.C. to be held at the Sheraton-Park Hotel. Particulars concerning papers may be obtained from Arnold Wexler, Chairman of the Program Committee, National Bureau of Standards, Washington 25, D.C.

The best example in a long time of controlled programming for technical society meetings occurred recently in New England when the newspapers carried large headlines about the feat of M.I.T. scientists hitting the moon with a LASER beam and measuring the return. Can't you see the happy smile on the face of the Program Chairman for Boston Section-IRE as he looks at his schedule and notes that the paternal guardian of the moon shot project - Dr. C. H. Townes, is featured speaker at the final Section Meeting just two weeks later! His topic? "Recent Developments in Lasers", of course.

If you missed the announcement, be alert to the SPECIAL SEMINAR at NBS, Washington on June 21, 1962 covering the subject of MASS DETERMINATION. The Bureau is anxious to establish broad liaison at a technical level on mass measurements with the expectation that future development work at NBS will be of maximum benefit to our field. At the same time Bureau personnel will describe the results of experimental work completed at the Bureau which is directly applicable to the improvement of balance performance and the accuracy of weighing. A final result of the meeting would be the review of NBS areas of responsibility in mass calibration service essential to accuracy at the measurement level. Further particulars are available from Paul E. Pontius, Chief, Mass and Scale Section, Metrology Division, NBS-Washington 25, D.C.

If you or your people are interested in instrumentation and techniques for measuring THERMAL RADIATION PROPERTIES such as emissivity, absorptance, reflectance and transmittance in the range 10°K to over 3000°K, ultraviolet through infrared, mark down September 5, 6, and 7, 1962 on your calendar. A SYMPOSIUM ON MEASUREMENT OF THERMAL RADIATION PROPERTIES OF SOLIDS will
be held at the Biltmore Hotel, Dayton, Ohio on those dates. Joint sponsors are USAF-Aeronautical Systems Division, NBS, and NASA. Contact C. Robert Andrews, Chairman of Arrangements, University of Dayton 9, Ohio for details.

The survey made by Pete Joeschke's NCSL Committee for CALIBRATION PROCEDURES, SPECIFICATIONS, AND TECHNIQUES in April came up with some interesting findings. Among them were that an average cost for producing a calibration procedure ran to about $490; laboratories have on hand more procedures written in-house, than any other source-type; almost all replies indicated a willingness to participate in a procedure exchange program if initiated by NCSL.

Have you run into the Ten Electronic Commandments yet? A random quote as follows:

No. 5 - Take care thou useth the proper method when thou taketh the measure of a high voltage circuit so that thou dost not incinerate both thee and thy meter; for verily, though thou art expendable and can be easily replaced, the meter is not and as a consequence bringeth much woe upon the department!

"OOPS - WRONG SCALE!"

If any of you have news items pertaining to measurements activities please forward to C. E. White, AVCO R.A.D., Wilmington, Mass. and we'll be happy to print them and credit you. Au revoir.