



R-A-MOOG CO-

TRUMANSBURG, NEW YORK 14886 * AREA CODE 607 387-9200

SUMMER, 1965 WORKSHOP AND SEMINAR IN
ELECTRONIC MUSIC COMPOSITION

GENERAL

A workshop and seminar in electronic music composition will be conducted from August 9-28, 1965, in the studios of the R.A. Moog Co., Trumansburg, New York. Herbert Deutsch and Robert Moog will share the overall responsibilities of planning and conducting the program of lectures, informal seminars, and composition workshops. Every participant will be able to use one of the composition facilities for a minimum of fifteen hours per week. In order to allow for intensive individual composing, attendance will be strictly limited to twelve participants.

As presently planned, the overall program is intended to offer composers the opportunity to experiment and compose with electronically generated sounds, to stimulate the exchange of ideas between composers, and to increase the communications between composer and instrument designer. The importance of communication between composer and engineer was revealed last summer, when Mr. Deutsch and Mr. Moog worked together for three weeks. The exchange of ideas enabled the rapid implementation of concepts, and proved extremely valuable for both parties. Within these three weeks, Mr. Deutsch was able to develop basic techniques of "real time composition" (improvisation) of electronic music, and to compose several studies and larger pieces. The features of the equipment which Mr. Deutsch found most useful were subsequently incorporated into the designs of standard instruments which were introduced last fall by the R.A. Moog Co. Experienced electronic composers have spoken enthusiastically about these new R.A. Moog instruments, and systems have been delivered to the studios of the Columbia-Princeton Electronic Music Center, University of Illinois Electronic Music Studio, Henry Street Playhouse (Alwin Nikolais) and Peabody Conservatory.

The primary function of the forthcoming workshop and seminar is the instruction of composers in the principles and techniques of electronic music composition. New techniques and instrumentation will also be investigated. Participants will be encouraged



to experiment in any area of electronic music composition in which they are interested. In fact, absolutely no restriction will be placed on the work which the participants choose to undertake during the workshop sessions.

Mr. Deutsch received a B.S. from Hofstra University and a B. Mus. and M. Mus. from Manhattan School of Music. His three most recent commissions include an electronic score for a dance drama at Smith College. This year, an electronic composition, The Road, was performed as part of the WNYC (New York) American Music Festival, and Hugh Ross conducted a work of his for chorus, brass and concrete tape mix at Carnegie Recital Hall. He is presently a member of the Hofstra music faculty, and is preparing a New York concert for the fall season.

Mr. Moog holds a B.S. in Electrical Engineering from Columbia University, and a PhD. in Engineering Physics from Cornell. His interest in electronic musical instrument design led him to undertake the development and manufacture of electronic music composition equipment. It is anticipated that the complementary skills and points of view of Mr. Deutsch and Mr. Moog will contribute to the value of the forthcoming workshop and seminar.

PROGRAM CONTENT

Three or four two-hour sessions per week will be devoted to lectures and seminars which all of the participants will be encouraged to attend. The remaining time will be available for composition and other independent work.

A series of six lectures on acoustics and electronics will be given by Robert Moog. Some of the topics to be discussed are:

- (a) The description and classification of musical sounds.
- (b) A brief introduction to basic electronic circuitry and components.
- (c) Review of the development of electronic music composition equipment.
- (d) Description of new instruments for electronic music composition.
- (e) Psychoacoustical considerations in electronic music.

Seminars will be conducted by Herbert Deutsch. They will be of an open nature, with Mr. Deutsch presenting various problems and questions involving the serious application of electronic sources and materials into musical forms. It is the intent of these seminars that debate and discussion by the seminarists will at least shed light on some very large areas of contemporary musical composition.

There will be one seminar each week. They will be devoted to the following problems:

1. Aesthetic problems: aleatory, formalism and improvisation in electronic composition.
2. The question of notation.
3. Problems encountered by the seminarians during their stay.

As mentioned above, the participants will be able to compose with no restrictions whatever. Equipment for the composition of highly organized, precisely constructed pieces will be available as well as equipment for real time composition and improvisation. Herbert Deutsch and Robert Moog will be available to aid the participants in using the equipment.

FACILITIES

Three basic composition systems will be available. Each system will contain two or more voltage-controlled oscillators, two voltage-controlled amplifiers, and noise generating, reverberating, filtering, and mixing instruments. Control devices will include a five-octave keyboard and a linear "slide-wire" controller. Such a system enables a composer to conveniently perform most of the basic operations involved in electronic music composition, including the processing of concrete sounds. Each system will be located in a separate room with a work table and a stereo amplifier-loudspeaker.

In addition to the three basic composition systems, a number of experimental instruments will be available. This will most likely include a polyphonic keyboard instrument, variable speed tape player, and experimental electronic percussion sets.

It is anticipated that the supply of recording equipment will be limited. Therefore, all participants are strongly urged to bring tape recorders for their own use.

A modest library of articles relating to electronic music will be available at the studio for use by the participants. The libraries of nearby schools (Cornell University and Ithaca College) will provide additional research material.

QUALIFICATIONS OF APPLICANTS

Applicants must be either practicing composers, or music students who have completed all undergraduate theory and ear training requirements, and who have had composition training and experience.

Every applicant is requested to submit one or two of his compositions, which, in his opinion, reveals his ability or potential

as a composer. Tape recordings are preferred. Scores of compositions using conventional notation are acceptable. All scores and recordings will be returned.

Student applicants are also requested to submit the names, addresses, and positions of two references (preferably composers or teachers) who are familiar with their work and ability.

ACCOMODATIONS

Trumansburg is a small town (population 1400) in the heart of the Finger Lakes Region of New York State, 15 miles from Ithaca (Cornell University and Ithaca College) and 80 miles from Rochester. While there are no dormitories in Trumansburg, suitable accommodations can be arranged for participants and their families. Rooms in private homes, tourist homes, and motels will be available for participants with small families. For those who would like to "rough it", several good campsites lie within a few miles' radius of Trumansburg. Applications can be furnished on request. Lakeside cabins may be available for the duration of the workshop. A more complete selection of accommodations will be available in Ithaca, a twenty-minute drive from Trumansburg. Applicants are requested to state the type of accommodations that they will require when submitting their application.

ENROLLMENT FEE

All participants will be charged an enrollment fee of \$75. Twenty-five dollars will be due upon acceptance of the application, and the remainder will be payable at the beginning of the session. Payment of this fee entitles the participant to attend all lectures and seminars, and to use the equipment and facilities of the R.A. Moog Studio. The fee does not include expendable materials such as magnetic tape or music paper. Recording, splicing, and leader tape will be available at cost.

It is understood that all material composed during the workshop-seminar will remain the sole property of the composers, but that the R.A. Moog Co. shall receive copies of the compositions, and have the privilege of using the compositions for demonstration and other non-profit purposes. It is further understood that concert performances of these works will at no time take place without the written permission of the composer.

1965 ELECTRONIC MUSIC COMPOSITION WORKSHOP
APPLICATION FORM.

NAME

HOME ADDRESS

NAME AND ADDRESS OF PROFESSIONAL AFFILIATION

PLEASE BRIEFLY DESCRIBE YOUR EXPERIENCE AND EDUCATIONAL BACKGROUND IN
COMPOSITION

LIST TWO REFERENCES (STUDENT APPLICANTS ONLY)

1. NAME POSITION
ADDRESS

2. NAME POSITION
ADDRESS

LIST THE COMPOSITIONS WHICH ACCOMPANY THIS APPLICATION (SEE BOTTOM
OF PAGE 3 OF INFORMATION SHEET)

1.
2.

DESCRIBE THE TYPE OF ACCOMODATIONS THAT YOU WOULD LIKE FOR YOU AND
YOUR FAMILY.

a) TOTAL NUMBER IN YOUR FAMILY:

b) NUMBER OF BEDROOMS REQUIRED:

c) COOKING FACILITIES REQUIRED: NONE () MINIMAL () COMPLETE ()

(CONTINUED ON BACK OF THIS SHEET)

d) GENERAL TYPE ACCOMODATIONS PREFERRED: MOTEL () TOURIST
HOME () PRIVATE HOME () HOTEL (in Ithaca) () LAKE COTTAGE ()
CAMPING CABIN () OTHER

Please return this application with your compositions ~~before~~ *AS SOON AS POSSIBLE*
~~May 15, 1965, to:~~

R.A.MOOG CO.
TRUMANSBURG, N.Y.