



## DEL MAR AVIONICS

DYNAMIC INSTRUMENTATION

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VRM-13-80  
16 January 1980

Ms. Susan Pildner  
Seventh Scientific Meeting of the  
International Society of Hypertension  
Alton Ochsner Medical Foundation  
1516 Jefferson Highway  
New Orleans, Louisiana 70121

Dear Ms. Pildner:

In accordance with your request, I have enclosed a description of a scientifically oriented educational exhibit covering 24-hour ambulatory blood pressure and heart rate recording.

The work presented is the result of three years' effort to develop and test an ambulatory blood pressure and heart rate recording and analysis system by the authors. The data has been extracted from several hundred recordings from normal subjects and clinical patients at several sites.

I am confident that the exhibit will be of interest to the attendees at the scientific meeting.

The booth requires ten linear feet, is two- and one-half feet deep and seven feet high. The electrical requirements are two double three-wire plugs at 115 volts, totaling 1000 watts.

We are looking forward to attending and participating in this meeting.

Sincerely yours,

DEL MAR AVIONICS

V. R. McCall  
Administrative Assistant  
to the Senior Vice President

VRM:lm

Enc.: Noted

Copy: W. Thornton, M.D.  
J. Wallace, M.D.



SCIENTIFIC EDUCATIONAL  
EXHIBIT DESCRIPTION

Title: 24-Hour Automatic Ambulatory Blood Pressure  
and Heart Rate Recording

Submitted by: William E. Thornton, M.D., and John M. Wallace,  
M.D., Hypertension Service, University of Texas,  
Medical Branch, Galveston, Texas

Description: Describes a noninvasive ambulatory 24-hour Blood  
Pressure and Heart Rate Recorder with results of  
validation and reliability studies. Presents  
automatic data processing and record formats,  
along with typical diurnal variations in blood  
pressure and heart rate of normal and hypertensive  
subjects. Some examples of physiological and  
clinical problems studied are presented.