

Prague, Oct.17, 1991

Dear Colleagues,

On the International Conference on the Problems of Induced Seismic Influence on Seismicity and Oil Output which hold in Baku in June 4-6, 1991 important results concerning seismicity triggered by man-made activity were presented. During the IASPEI meeting in Vienna (August 13-25, 1991) the special working group dealing with these problems were created in the frame of the IASPEI.

On the of the most interesting and important result in this branch was based on the data recorded by the Geological Institute in Baku. It shows that the structure of the microseismic wave field has changed considerably beginning from the 15 of the January 1991. This fact is pointing out to the possible connection of bombing during the Gulf war and seismicity of the adjacent regions.

Professor Kerimov documented the at the Baku seismic station, at the distance about 1000 km from the war area, immediately after the beginning of the war in the Persian Gulf Zone the rapid changes in the noise wave field behavior were recorded, e.g. the intensity of the signals has increased by several times, separate groups of the wavelets appeared (it is often considered as the characteristics of the artificial source), etc. The copies of seismograms of Jan. 9, 15, 18 at 24 UT recorded at Baku are enclosed.

To verify the general character of the above described changes observed in Baku it is necessary to study in great detail all seismic records existing in the broader region of the Persian Gulf Zone, i.e. in Turkey, Iraq, Iran, India, Israel, Egypt, Saudi Arabia, Jordan, etc. According to decision of the IASPEI Working group we try to organize the investigation in this field. We should be very much obliged to you for:

- report (or scientific paper) concerning interpretation of seismograms of your seismic stations in the time interval December 1980 – August 1991 with aim to judge any changes of the microseismic wave field (joint paper will be prepared for the following IASPEI meeting in New Zealand).;
- opinion about Baku observation and may be idea of interpretation of this observed phenomena.

We hope in very good cooperation. With best regards,

Yours sincerely,

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