Dr. Jai Krishna, Dr. A.N. Tandon, Sri P.M. Mane, Dr. Shamsher Prakash Dr. Y.C. Dass, Sri R.L. Nene, Sri R.H. Mahimtura.

The subjects selected for the main sessions are as under :

Jan. 13, 1969 Observations in Recent Earthquakes.

Jan. 14, 1969 (a) Seismicity and Simulated Earthquakes. (b) Vibration Tests on Structures. (c) Ground Motion and Instruments. (d) Behaviour of Structural Elements.

Jan. 16, 1969 (a) Elastic Response of Structures. (b) Large Buildings and Structures Details. (c) Inelastic Response and Design of Structures.

Jan. 17, 1969 (a) Soils and Soils Structures. (b) Design Criteria and Research. (c) Foundations and Soil Structures Interaction. (d) Small Buildings, Insurance, Damage, Repair.

Jan. 18, 1969 Special Papers.

The papers were invited directly by the Organising Committee of the World Conference. To the best of our information, seven papers have been accepted from the Members of our Society.

The Society has initiated action for formal affiliation of the Society with the International Association of Eartquake Engineering.

Symposium on Koyna Earthquake of Dec. 11, 1967 and Related Problems

A Symposium on Koyna Earthquake was held in Calcutta on June 1, 2, 1968. This symposium was co-sponsored by ISET, Indian Society of Engg. Geology, Institution of Engineers (India) West Bengal Centre, and Mining Geological and Metallurgical Institute of India, Calcutta. The Society was represented by Dr. A.N. Tandon, Sri L.S Srivastava, Sri R.N. Joshi and several other members.

Publications

The following publications of the Society were issued during the period under report :

Bulletins : Vol. III No. 1 (Dec. 1966), Vol. IV No. 1, 2, 3, 4. (1967), Vol. V No. 1, 2, 3, 4. (1968)

The frequency of the Bulletin was increased from 2 issues per year to 4 issues per year with effect from issue of March 1967.

List of Members : A list of members has been published alongwith the Bulletin of December 1968 (Vol. V, No. 4). The total memberships is as under :

Institution Members	Life Members	Individual Members
21	21	214

All the members have been assigned a number for easy reference.

Establishment of Exchange Relations

The Society has established exchange relations with the New Zealand Society of Earthquake Engineering for exchange of Society Publications.

Election of Members of Executive Committee

As per the Constitution of the Society, the working of the Society is governed by the Executive Committee elected for the period of one year. The term of the present Executive Committee will expire on 31-3-1969.

The following is the composition of the Executive Committee of the Society :

1.	Dr. A.N. Tandon	President
2.	Dr. Jai Krishna	Vice-President
3.	Dr. Shamsher Prakash	Secretary and Treasurer
4.	Sri L.S. Srivastava	Editor
5.	Dr. A.S. Arya	Member
6.	Dr. A.R. Chandrasekaran	Member
7.	Sri V S. Krishnaswamy	Member
8.	Dr. Jagdish Narain	Member
9.	Dr. R.S Mithal	Member
10.	Sri R.N. Joshi	Member
11.	Sri A.P. Bagchi, Sahu Cement Service, New Delhi	Member
12.	Chief Design Engineer, Bhakra and Beas Designs Organisation, New Delhi.	Member

Funds

The main source of income of the Society is the Membership subscription from Institution Members, Life Members and Individual Members. The income is just sufficient to print only four issues of the Bulletin in its present form. Attempts are being made to obtain grant-in-aid from the Government of India.

Accounts

The accounts of the Society for the year 1967-68 have been audited by M/s B.G. Goswamy and Co., Chartered Accountants, Saharanpur. The statement of audited accounts as prepared and submitted by the auditors has been printed in December 1968 issues of the Bulletin.

Bulletin of the Indian Society of Earthquake Technology. Vol. 6, No. 1, p. 56, March, 1969

DISCUSSION

Discussion on "Soil Investigations and Design of Forging Hammer Foundation" by Shamsher Prakash and D.C. Gupta, Bulletin, Vol. V, No. 1 and 2.

D. Raghu[1], The authors have to be congratulated for the nice work and excellent presentation of paper. However, it is felt that clarification may be made on the following points.

1. The number of strokes of hammer per minute is not mentioned. This is very important, particularly to check whether resonance will occur or not. If the frequency of the hammer strokes and any one of the natural frequencies of the system coincide, resonance will result.

2. It is mentioned in the article that the dynamic tests were made at a depth of 2.44 metres from ground level. It may kindly be mentioned whether the above tests were performed at the level corresponding to the bottom of the foundation.

3. The field data obtained by dynamic tests may be compared with those obtained in design calculations.

4. It is not known whether in the design of the foundations, the synchronism between the two hammers was taken into account or not. If during operation, the frequencies of these two machines synchronise, resonance will occur.

Reply by Authors, The authors are grateful to Sri Raghu for his interest in our paper.

(i) The frequency of operation of the hammer was 120 strokes per minute.

(i i) The dynamic tests had been performed at the depth of foundation proposed by the manufacturer.

(iii) We are planning a study of the performance of the hammer. The results will be reported when they become available.

(iv) The new hammer has been installed in a new shop and not in the existing forge shop. Hence the question of synchronism of the machines does not arise.

1. Department of Civil Engineerlng, B.I.T.S., Pilani (Rajasthan).

Bulletin of the Indian Society of Earthquake Technology. Vol. 6, No. 1, pp. 57–60. March 1969

SEISMOLOGICAL NOTES

(India Meteorological Department, New Delhi)

Earthquakes in and near about India during April—September, 1968

Date	Origin time (G.M.T.) h. m. s.	Epicentre Lat. (°N)	Long. (°E)	Region	Appox. depth (Kms.)	Magnitude	Remarks
1	2 3 4	5	6	7	8	9	10
April 4	01 44 26.4 (CGS)	24.6	66.0	West Pakistan	33	5.0 (CGS) 5.6 (NDI)	—
April 9	01 14 52.7 (CGS)	35.5	73.3	Northwestern Kashmir	14	4.4 (CGS)	—
April 12	10 33 58.3 (CGS)	36.7	69.1	Hindukush region	67	—	—
April 13	23 31 31.0 (CGS)	24.6	94.8	Burma-India border region	123	4.7 (CGS)	—
April 17	09 50 39.1 (CGS)	36.3	71.4	Afghanistan-USSR border	94	4.8 (CGS) 4.7 (NDI)	—
April 17	13 11 26.2 (CGS)	36.4	71.5	Afghanistan-USSR border	113	5.2 (CGS) 5.1 (NDI)	—
April 23	06 45 11.5 (CGS)	36.3	71.2	Afghanistan-USSR border	114	5.2 (CGS) 5.2 (NDI)	—
	06 45 11 (NDI)	36.0	71.0	-do-	—	5.2 (NDI)	
May 2	00 26 02.9 (CGS)	26.2	92.2	Eastern India	53	4.8 (CGS)	Felt at Shillong Dibrugarh, Jorhat, Dhubri etc.
May 6	00 26 00.5 (NDI)	25.0	91.7	Assam	—	—	—
May 6	20 49 45.5 (CGS)	36.4	70.8	Hindukush region	230	5.0 (CGS)	—
May 8	22 45 08.3 (CGS)	37.1	71.9	Afghanistan USSR border	160	5.1 (CGS)	—
May 14	02 41 16.1 (CGS)	36.1	70.9	Hindukush region	128	4.7 (CGS)	—
May 21	03 59 11.5 (CGS)	38.9	65.2	Southeastern Uzbek SSR	130	5.4 (CGS)	—

1	2	3	4	5	6	7	8	9	10
May	27	18	35 57.0 (CGS)	29.7	80.4	Nepal India border	27.0	5.1 (CGS)	—
		18	36 02 (NDI)	28.8	81.0	-do-	—	4.3 (NDI)	—
May	31	03	01 35.7 (CGS)	29.9	80.0	Nepal India border	33	5.1 (CGS)	—
		03	01 42 (NDI)	30	79.5	-do-	—	4.2 (NDI)	—
Jun	4	05	10 52 (CGS)	35.7	82.1	Tibet	33	4.8 (CGS)	—
Jun	5	00	09 41 (CGS)	36.1	66.2	Hindukush region	33	4.8 (CGS)	—
Jun	9	04	13 08 (CGS)	6.4	95.2	Nicobar Island region	33	4.2 (CGS)	—
Jun	10	17	36 30 (CGS)	39.0	75.1	S. Sinkiang Province, China	51	4.8 (CGS)	—
Jun	12	04	24 25 (NDI)	26.0	91.1	Assam	—	5.5 (NDI)	Felt at Shillong
Jun	13	15	37 43 (CGS)	24.7	66.4	West Pakistan	33	4.3 (CGS)	—
Jun	13	22	38 01 (CGS)	36.6	71.5	Afganistan USSR border	213	4.8 (CGS)	—
Jun	14	04	02 22 (CGS)	31.2	70.2	West Pakistan	25	4.9 (CGS)	—
Jun	17	06	25 55.3 (CGS)	37.4	72.3	Tadzik SSR	195	4.8 (CGS)	—
July	1	03	11 10.0 (CGS)	30.3	94.5	Tibet	28	4.3	—
July	3	19	46 53.7 (CGS)	34.7	75.1	Eastern Kashmir	113	4.5	—
July	4	06	45 58.0 (CGS)	30.3	94.9	Tibet	33	4.7	—
July	8	13	14 29.9 (CGS)	38.0	67.6	Southeastern Uzbek SSR	28	6.3	Felt widely. (outside India)
July	13	06	05 54.2 (CGS)	30.3	94.6	Tibet	33	5.0	—
July	14	18	12 41.0 (CGS)	30.3	94.8	Tibet	22	4.9	—
July	15	01	25 36.0 (CGS)	36.3	68.4	Hindukush region	35	4.1	—
July	15	05	09 05.9 (CGS)	30.3	95.0	Tibet	22	4.8	—

1	2	3	4	5	6	7	8	9	10
July	16	11 13 (CGS)	40.0	36.0	71.2	Hindukush region	5	—	—
July	16	22 23 (CGS)	07.0	30.3	94.8	Tibet	40	4.8	—
July	18	17 20 (CGS)	29.0	8.9	93.9	Nicobar Island region	33	4.8	—
July	18	17 43 (CGS)	24.0	8.8	93.8	Nicobar Island region	33	4.3	—
July	19	04 56 (CGS)	27.2	8.7	93.6	–do–	33	5.3	—
		04 56 (NDI)	20	9	95	Nicobar Island	—	5.9 (NDI)	—
July	19	06 07 (CGS)	22.0	8.9	93.8	Nicobar Island region	33	4.8	—
July	19	16 42 (CGS)	15.9	8.7	93.7	–do–	8	5.1	—
July	19	18 48 (CGS)	59.0	30.2	94.9	Tibet	33	4.9	—
July	20	08 22 (CGS)	08.6	39.4	73.8	Tadzik Sinkiang border	22	4.8	—
July	23	20 51 (CGS)	47.9	30.3	94.9	Tibet	30	4.9	—
July	25	03 34 (CGS)	13.0	30.2	94.8	–do–	33	4.8	—
July	26	12 44 (CGS)	03.0	29.4	95.0	India China border region	33	4.9	—
July	26	20 48 (CGS)	03.0	32.1	70.1	W. Pakistan	35	4.8	—
Aug.	2	13 30 (CGS)	23.3	27.5	60.9	Eastern Iran	62	5.7	—
Aug.	3	14 01 (CGS)	46.5	25.8	62.8	W. Pakistan	41	4.7	—
Aug.	5	02 41 (CGS)	11.9	35.7	70.2	Hindukush region	9	3.6	—
Aug.	9	02 24 (CGS)	53.2	25.2	94.4	Burma India border region	33	4.7	—
Aug.	18	14 18 (CGS)	59.5	26.4	90.6	Eastern India	31	5.2	—
		14 19 (NDI)	10	27	89.5	Near Kalimpong, N. Bengal	—	5.7 (NDI)	—
Aug.	23	12 01 (CGS)	16.6	30.3	94.9	Tibet	33	4.8	—

1	2	3	4	5	6	7	8	9	10
Aug.	24	14 26 (CGS)	07.4	30.0	95.1	Tibet	56	4.6	—
Aug.	25	17 55 (CGS)	05.3	30.4	94.8	-do-	19	4.8	—
Aug.	26	18 23 (CCS)	41.3	36.4	70.7	Hindukush region	203	5.0	—
Aug.	29	19 51 (CGS)	24.6	30.2	95.1	Tibet	33	5.0	—
Aug.	31	02 53 (NDI)	40	17.3	74.0	Koyna region Maharashtra	12	5.7	Felt upto Bombay.
Sept.	1	05 59 (CGS)	26.6	30.3	94.8	Tibet	20	5.0	—
Sept.	3	17 45 (CGS)	54.1	30.2	94.8	Tibet	5.3	4.9	—
Sept.	4	01 40 (CGS)	04.0	33.5	97.5	Tsinghai Province, China	33	4.8	—
Sept.	5	05 32 (CGS)	01.1	14.7	96.8	Andaman Island region	33	4.8	—
Sept.	10	05 04 (CGS)	58.3	15.2	93.2	Bay of Bengal	33	4.2	—
Sept.	10	17 18 (CGS)	08.9	36.3	70.8	Hindukush region	18	4.7	—
Sept.	11	03 07 (CGS)	32.0	30.3	94.9	Tibet	38	4.3	—
Sept.	12	15 36 (CGS)	48.8	39.8	77.8	S. Sinkiang Pro., China	8	4.9	—
Sept.	15	14 16 (CGS)	55.8	37.2	72.7	Tadzhik SSR	33	5.2	—
Sept.	16	17 02 (CGS)	40.2	28.6	95.7	India China border region	60	4.7	—
Sept.	18	07 37 (CGS)	21.8	37.2	71.9	Afghanistan USSR border	123	5.0	—
Sept.	25	— —	—	—	—	—		—	Tremor felt by some people at Trivandrum at 01h 28 m GMT.