

**D-9 DAILY RAINFALL DISTRIBUTION DURING HEAVY RAIN IN THE SG.  
BEDUP EXPERIMENTAL BASIN**

**TABLES AND FIGURES**

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TABLE-1 DAILY RAINFALL DURING HEAVY RAIN IN THE SG. BEDUP EXPERIMENTAL BESIN

NO	DATE	STATION.						MEAN
		35	33	28	80	79	37	
1	10FEB.'74	77	84	74	76	95	38	74
2	12FEB.'74	47	36	45	57	44	38	48
3	28FEB.'74	126	131	120	170	94	109	125
4	23DEC.'75	99	103	102		101	101	101
5	28DEC.'75	93	56	63	18	23	69	54
6	11JAN.'76	197	161	235	202	225	182	200
7	12JAN.'76	117	108	96	83	28	89	87
8	13JAN.'76	74	57	77	105	76	74	77
9	4FEB.'77	34	36	35	54	37	31	38
10	6FEB.'77	133	95	125	96	82	94	104
11	19FEB.'77	105	89	80	196	117	95	114
12	9JAN.'78	53	44	37	33	43	45	43
13	23JAN.'78	70	75	77	68	80	72	74
14	24JAN.'83	193	149	156	176	121	119	152
15	25JAN.'83	60	51	63	71	51	68	61

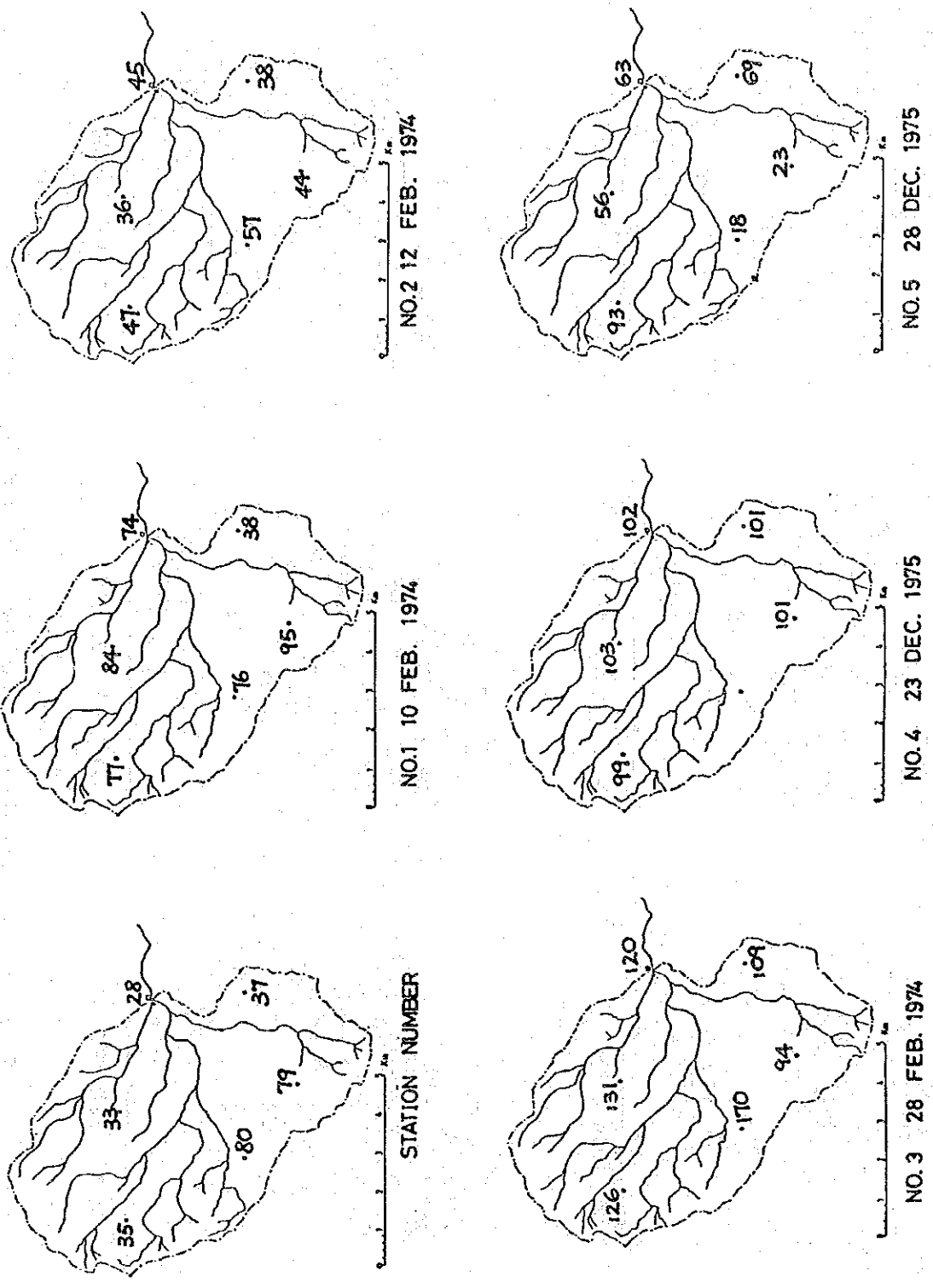


FIG.-1 DAILY RAINFALL DISTRIBUTION (FEB. 1974 - DEC. 1975)

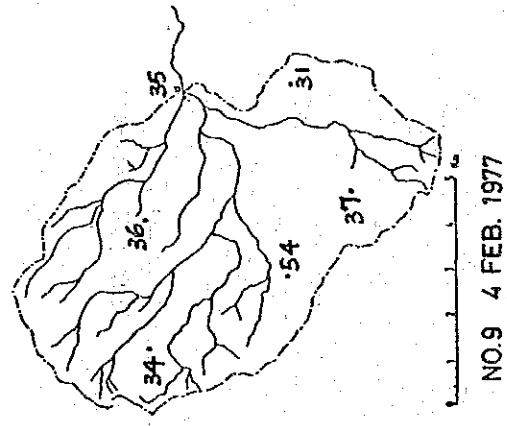
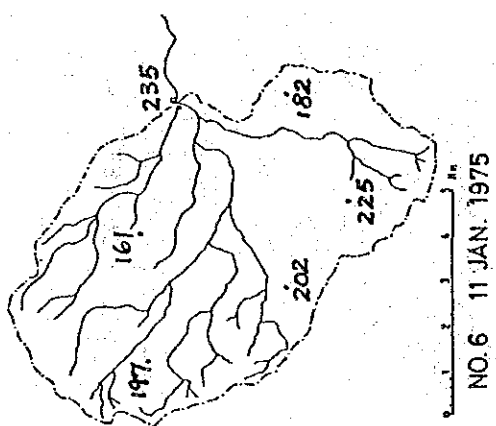
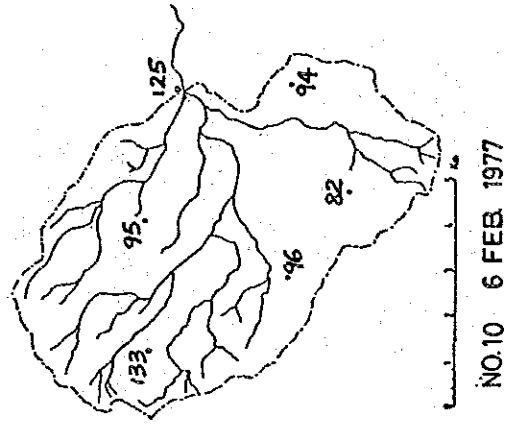
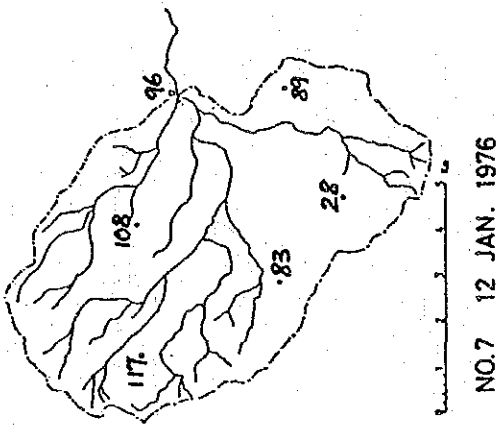
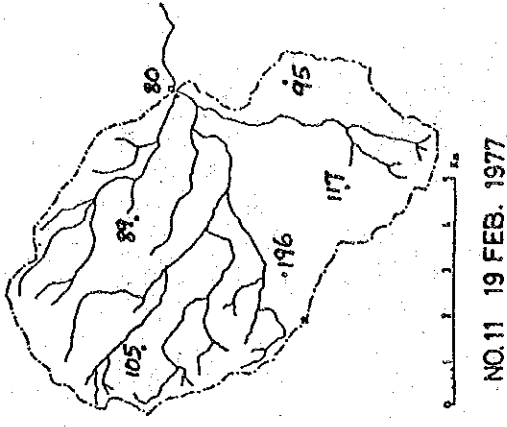
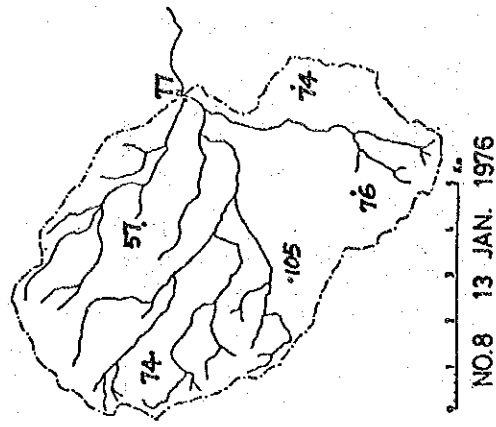


FIG.-2 DAILY RAINFALL DISTRIBUTION (JAN. 1976 - FEB. 1977)

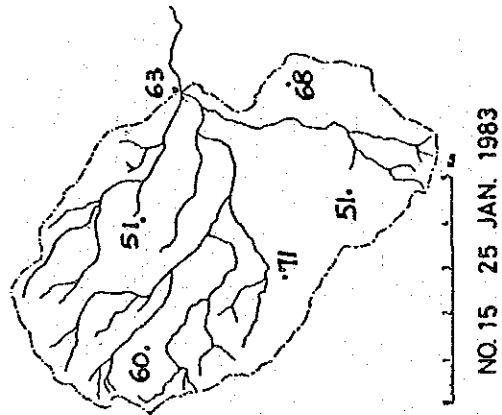
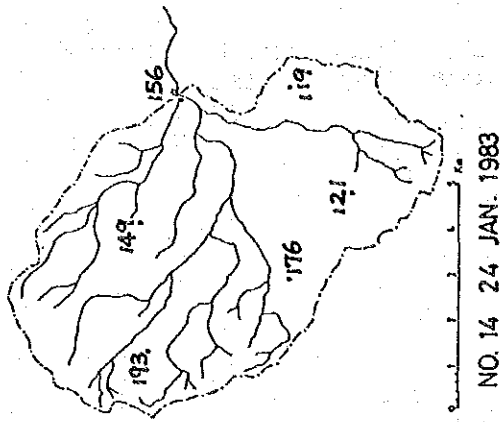
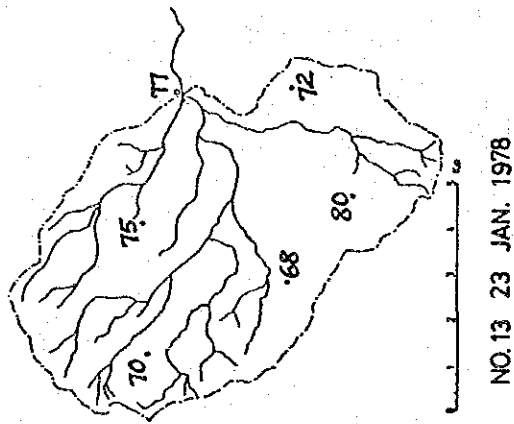
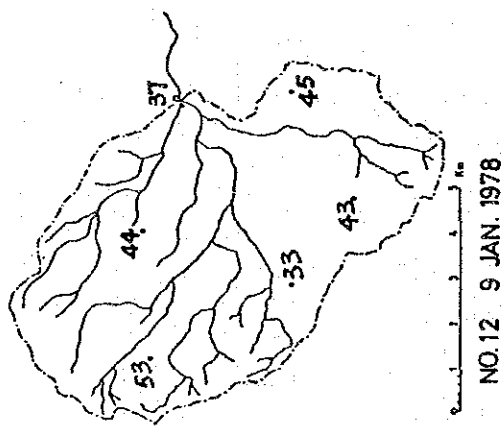


FIG.-3 DAILY RAINFALL DISTRIBUTION (JAN. 1978 - JAN. 1983)

**D-10    HOURLY RAINFALL DISTRIBUTION AT 6 STATIONS IN THE 1ST DIVISION  
FOR THE STORM FROM 23 JANUARY TO 26 JANUARY 1983**

**TABLES AND FIGURES**

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- TABLE-2    HOURLY RAINFALL AT 6 STATIONS ON 24 JAN. 1983
- TABLE-3    HOURLY RAINFALL AT 6 STATIONS ON 25 JAN. 1983
- TABLE-4    HOURLY RAINFALL AT 6 STATIONS ON 26 JAN. 1983

FIG.-1      LOCATION OF RECORDING RAINFALL STATIONS IN THE 1ST DIVISION

FIG.-2      HOURLY RAINFALL DISTRIBUTION AT 6 STATIONS FOR THE STORM  
FROM 23 TO 26 JANUARY 1983

FIG.-3      MOVEMENT OF HEAVY RAINFALL AREA

TABLE-1 HOURLY RAINFALL AT 6 STATIONS ON 23 JAN. 1983

Daily summary of hourly rainfall (mm)  
at different stations

24 JAN. 1983

Time 0-1	RAINFALL					
	1-16	1-5	1-01	1-24	1-27	1-28
2	1	1	8	1		
3	4	9	20	4		
4	2	13	10	5		
5		9	40	5	5	
6		4	13	6	7	
7		6	19	4		
8	1	1	28	1		
9	14	6	19			
10	8	3	5			
11	35	3	1			
12	20	2	1			
13	9					
14	5		8			
15	6		2			
16	6			1		
17	1		1			
18	2	1				
19		4	1	5		
20	2	10		11	2	1
21		1	4	5	2	1
22		1		2	17	1
23				4	26	23
23-24		1	2	3	82	40
Total						
9-9						

TABLE-2 HOURLY RAINFALL AT 6 STATIONS ON 24 JAN. 1983

Daily summary of hourly rainfall (mm)  
at different stations

23 JAN. 1983

Time 0-1	RAINFALL					
	1-16	1-5	1-01	1-24	1-27	1-28
2			15	4		
3			20	1		
4	1		6	2	1	
5			1			
6	1		2			
7			1	5		
8			2			
9	20	2	2			
10	20				4	
11	25	1	1			
12	40	2				
13	20	7	3		21	
14	9	1	2	6	5	
15	2			1		
16						
17						
18	3		3			
19	2					
20	1					
21						
22			5			
23	1		3			
23-24	1	11				
Total						
9-9						

TABLE-3 HOURLY RAINFALL AT 6 STATIONS ON 25 JAN. 1983

Daily summary of hourly rainfall (mm) at different stations

25 JAN. 1983

Time Opening Station	RAINFALL					
	1-16	1-5	1-01	1-24	1-27	1-28
0-1	20		9	43	20	
2	5	5	21	28	10	
3	10	6	20	31	20	
4	10	6	28	28	17	
5	1	25	8	28	27	8
6		15	12	16	29	8
7	7	10	34	6	5	7
8	8	8	19	10	2	1
9	5	7	6	3	1	1
10	5	3	3	1		
11	9	1	2			
12	6		1			
13	3	2	5			
14	2	1	2	1		
15	1	0	8	4	2	
16		2	8	1	3	5
17		3	1	3	5	
18		1			1	
19			6			
20	4	1	2	2		
21		1	1	1	1	
22	2	2	4	4	4	
23	6	6	1	3	1	
23-24	2	2	1	3	3	
Total						
9 9						

TABLE-4 HOURLY RAINFALL AT 6 STATIONS ON 26 JAN. 1983

Daily summary of hourly rainfall (mm) at different stations

26 JAN. 1983

Time Opening Station	RAINFALL					
	1-16	1-5	1-01	1-24	1-27	1-28
0-1	3	3	5	2	1	
2	1		4	4	7	
3	2		10	22	10	
4	1	5	17	14	2	
5	10	15	18	20	3	
6	50	11	31	45	2	
7	2	20	1	23	22	6
8	8	12	7	21	22	17
9	5	23	11	16	10	22
10	1	10	8	53	10	3
11		5	17	38	5	5
12		7	20	6	2	3
13	2	4	10	3	1	
14	2	3	6	1		
15	4	3	6			
16	10	1	7	1		
17	12	1	4			
18	2		4			
19	1		1	1	1	
20	6	1				
21	1	1				
22					1	
23		1	5	4		
23-24		1	1	2		
Total						
9 9						



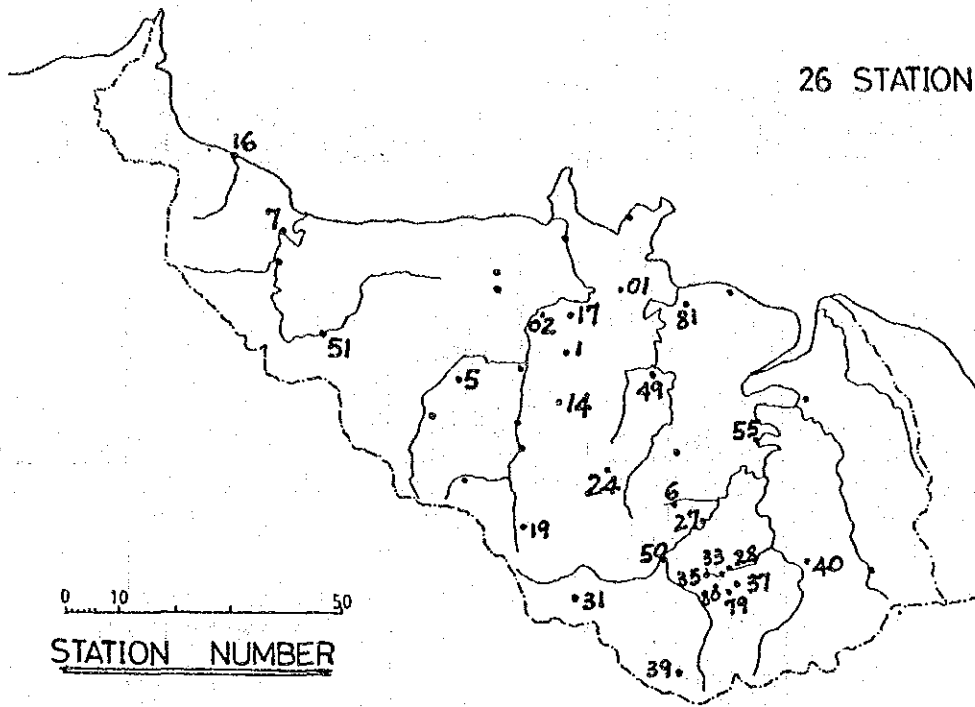


FIG.-1 LOCATION OF RECORDING RAINFALL STATIONS IN THE 1ST DIVISION

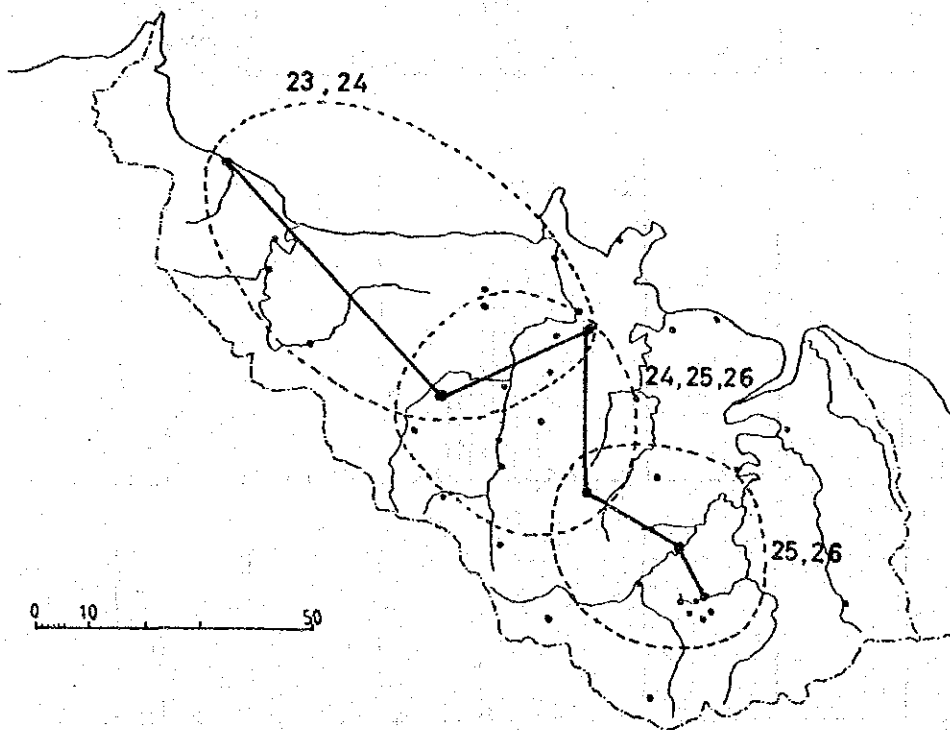


FIG.-3 MOVEMENT OF HEAVY RAINFALL AREA

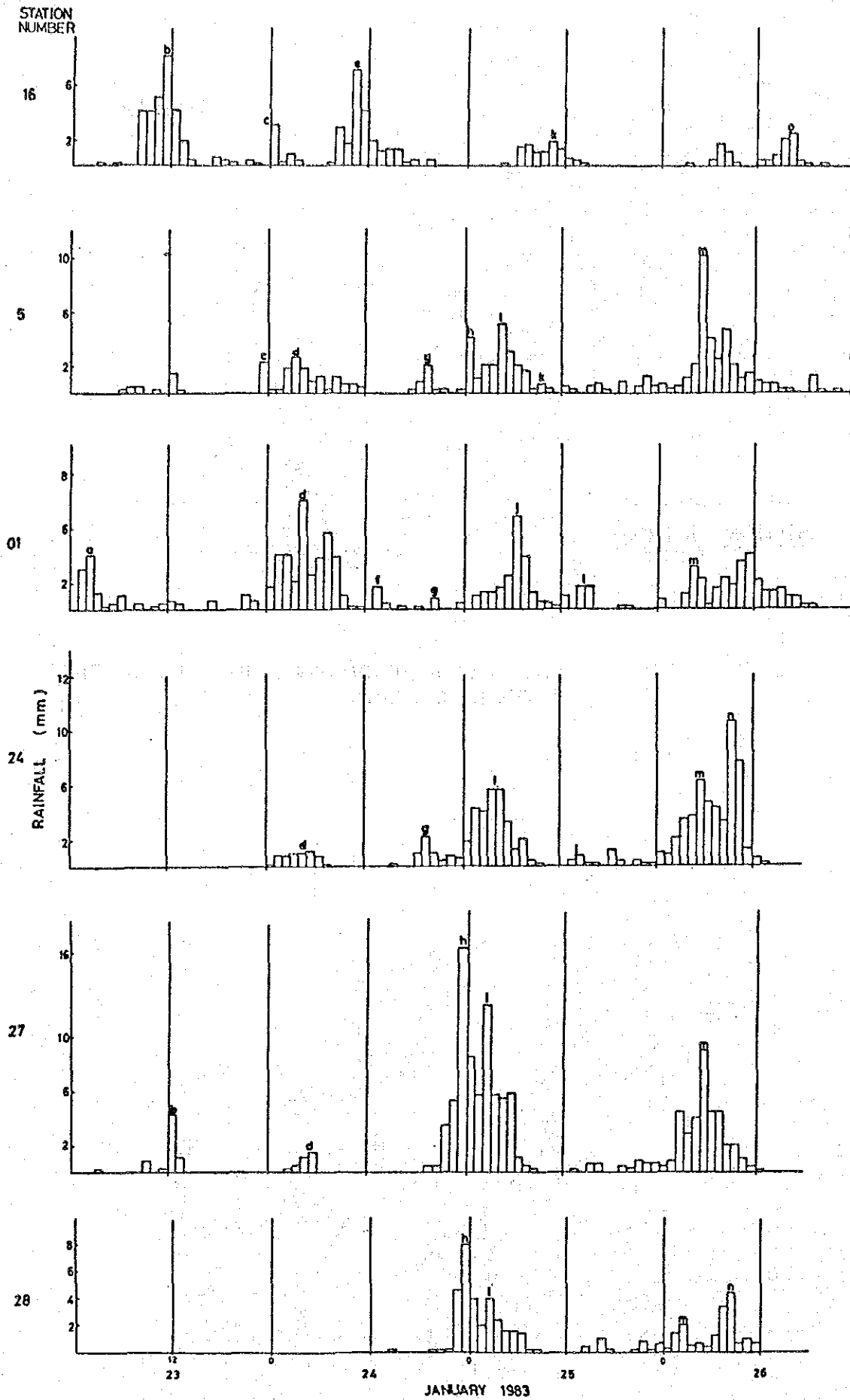


FIG.-2 HOURLY RAINFALL DISTRIBUTION AT 6 STATIONS FOR THE STORM FROM 23 TO 26 JANUARY 1983

**D-11 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALLS  
AT RAINFALL STATIONS IN EACH RIVER BASIN, SARAWAK**

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- TABLE-2 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALL AT RAINFALL STATIONS IN THE RIVER BASIN OF THE 2ND AND 3RD DIVISION, SARAWAK**
- TABLE-3 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALL AT RAINFALL STATIONS IN THE RIVER BASIN OF THE 4TH AND 5TH DIVISION, SARAWAK**
- FIG.-1 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALL AT RAINFALL STATIONS IN EACH RIVER BASIN, SARAWAK**

TABLE-1 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALL AT RAINFALL STATIONS IN THE RIVER BASIN OF THE DIVISION, SARAWAK

DIVISION 1

STATION NO.	KAYAN	
51	51	7
7		.91

STATION NO.	SARAWAK RIVER UPPERSTREAM					
19	19	76	75	78	47	74
76		.76	.87	.91	.89	.89
75			.88	.82	.91	.89
78				.92	.96	.92
47					.91	.95
74						.96

STATION NO.	SARAWAK RIVER DOWNSTREAM						
5	5	1	26	3	58	13	14
1		.96	.98	.97	.94	.93	.95
26			.98	.97	.97	.97	.99
3				.99	.97	.96	.97
58					.97	.97	.97
13						.99	.98
14							.97

STATION NO.	SAMARAHAN			
24	24	38	49	81
38		.97	.95	.82
49			.95	.92
81				.96

STATION NO.	SADONG RIVER UPPERSTREAM						
39	39	31	50	27	6	40	35
31		.79	.92	.92	.88	.82	.94
50			.93	.87	.85	.90	.83
27				.91	.89	.87	.91
6					.96	.84	.98
40						.74	.95
35							.78

STATION NO.	SADONG RIVER DOWNSTREAM		
55	55	32	18
32		.92	.95
18			.83

STATION NO.	SADOND RIVER WHOLESTREAM									
39	39	31	50	27	6	40	35	55	32	18
31		.79	.92	.92	.88	.82	.94	.89	.88	.78
50			.93	.87	.85	.90	.83	.89	.95	.88
27				.91	.89	.87	.91	.92	.93	.87
6					.96	.84	.98	.97	.92	.87
40						.74	.95	.93	.88	.94
35							.78	.87	.94	.72
55								.93	.91	.89
32									.92	.95
18										.83

TABLE-2 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALL AT RAINFALL STATIONS IN THE RIVER BASIN OF THE 2ND AND 3RD DIVISION, SARAWAK

DIVISION II

STATION NO.	LUPAR RIVER UPPERSTREAM						
	25	24	2	11	29	19	1
25		.69	.69	.74	.76	.73	.72
24			.77	.84	.75	.76	.89
2				.92	.69	.85	.95
11					.79	.86	.90
29						.68	.87
19							.95
1							

STATION NO.	LUPAR RIVER DOWNSTREAM			
	28	6	8	32
28		.81	.79	.85
6			.92	.88
8				.73
32				
3				

STATION NO.	SARIBAS RIVER				
	21	20	4	23	30
21		.81	.89	.83	.91
20			.87	.95	.90
4				.85	.93
23					.92
30					

STATION NO.	KERIAN RIVER		
	5	7	10
5		.95	.87
7			.91
10			

DIVISION III

STATION NO.	RAJANG RIVER UPPERSTREAM								
	50	47	35	3	44	43	42	33	1
50		.66	.22	.72	.17	.68	.71	.50	.69
47			.57	.75	.60	.67	.58	.57	.88
35				.32	.20	.36	.10	.20	.35
3					.36	.65	.73	.41	.71
44						.73	.33	.82	.62
43							.72	.75	.62
42								.40	.60
33									.76
1									

STATION NO.	RAJANG RIVER MIDDLESTREAM			
	12	40	24	36
12		.84	.59	.73
40			.68	.85
24				.80
36				

STATION NO.	RAJANG RIVER DOWNSTREAM (WEST SIDE)			
	58	30	8	27
58		.87	.96	.66
30			.96	.68
8				.75
27				

STATION NO.	RAJANG RIVER DOWNSTREAM						
	4	9	17	7	13	59	22
4		.75	.90	.91	.92	.79	.98
9			.96	.92	.91	.81	.98
17				.97	.96	.85	.91
7					.97	.86	.91
13						.90	.90
59							.76
22							

STATION NO.	OYA RIVER		
	39	5	37
39		.91	.89
5			.98
37			

STATION NO.	BALINGIAN	
	51	10
51		.71
10		

**TABLE-3 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALL AT RAINFALL STATIONS IN THE RIVER BASIN OF THE 4TH AND 5TH DIVISION, SARAWAK**

**DIVISION IV**

STATION NO.	21	23	38	2
21		.83	.93	.87
23			.88	.76
38				.92
2				

STATION NO.	19	54	6
19		.88	.87
54			.96
6			

STATION NO.	7	11	15	26	3	18	9
7		.28	-	.42	.53	.20	.46
11			.84	.85	.89	.61	.63
15				.87	.83	.62	.75
26					.89	.58	.71
3						.69	.85
18							.73
9							

STATION NO.	48	5	60
48		.81	.73
5			.86
60			

STATION NO.	59	32	33	34	4	36
59		.40	.24	.73	.67	.71
32			.49	.65	.78	.66
33				.52	.69	.70
34					.75	.79
4						.87
36						

STATION NO.	20	35	17
20		.81	.77
35			.81
17			

**DIVISION V**

STATION NO.	17	16	12	4
17		.35	-	-
16			.60	.69
12				.91
4				

STATION NO.	25	10	7	23
25		.91	.73	.81
10			.59	.71
7				.71
23				

STATION NO.	6	22
6		.75
22		

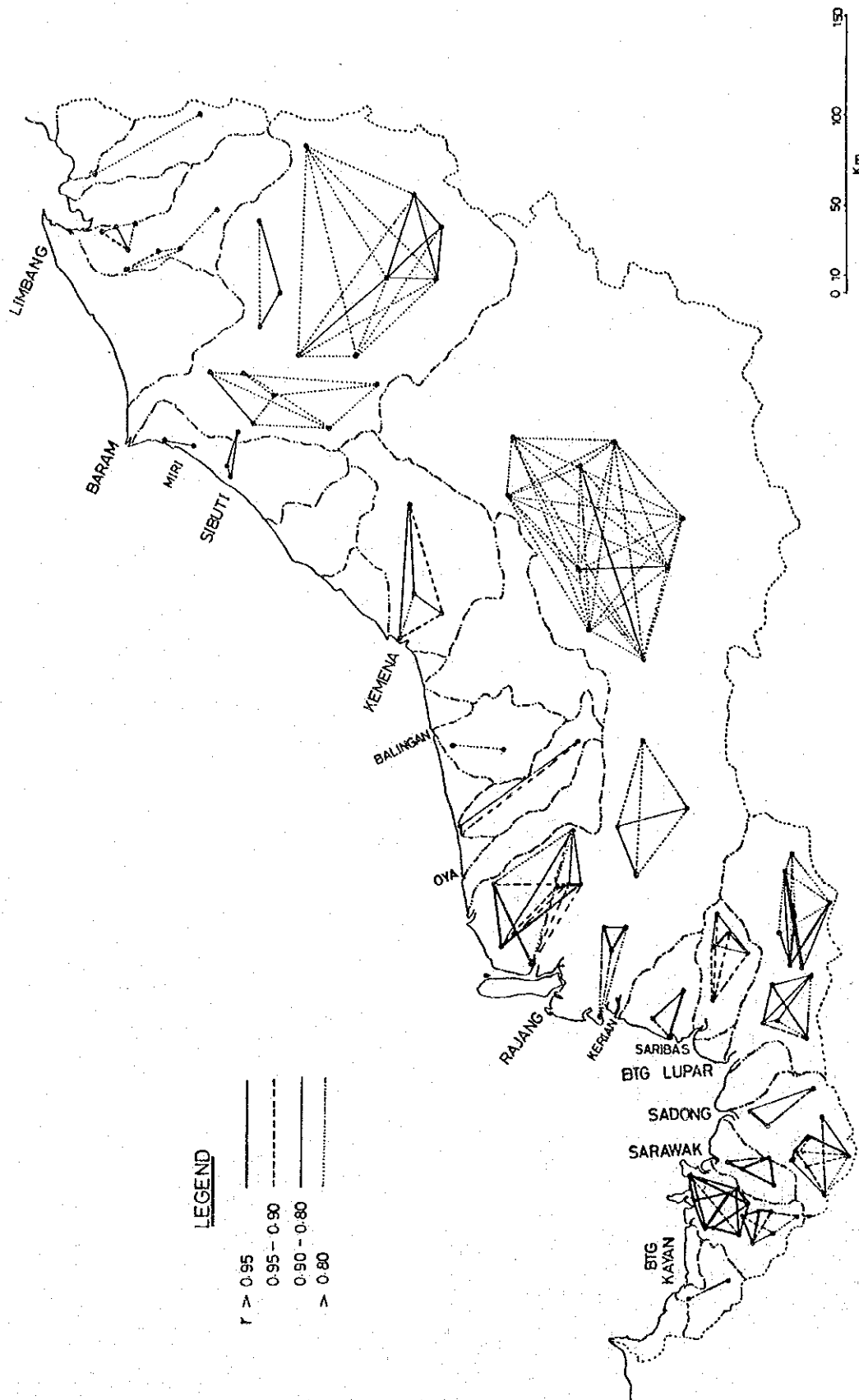
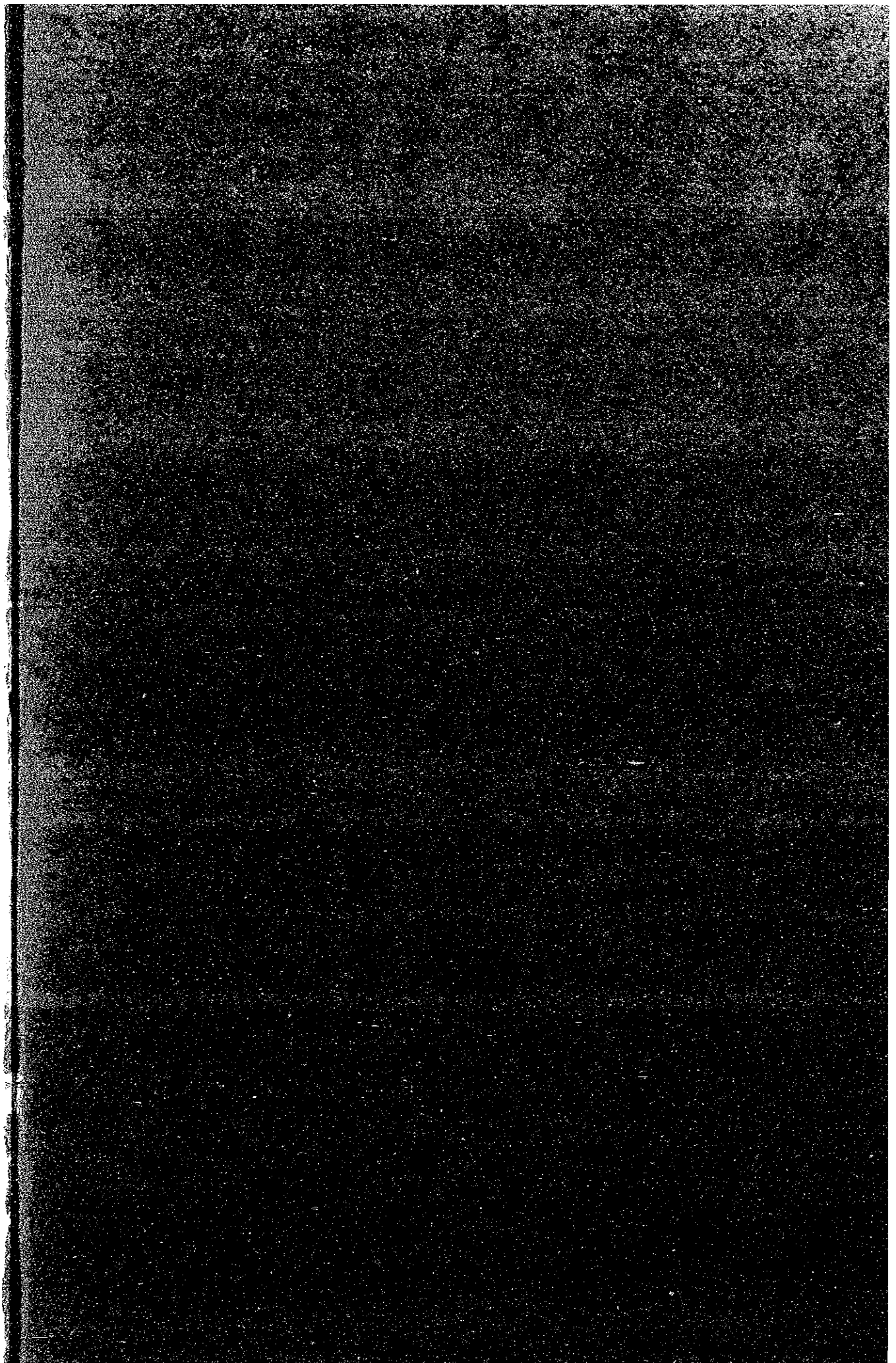


FIG.—1 CORRELATION COEFFICIENTS AMONG MEAN MONTHLY RAINFALL STATIONS IN EACH RIVER BASIN, SARAWAK







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