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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS NOVEMBER/NOVEMBRE

19 83

AT/À WINNIPEG INT'L AIRPORT/ A L'AEROPORT INTERN. DE WINNIPEG

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: ALTITUDE: 239.6		METRES (ASL) MÈTRES (NMM)		STANDARD TIME USED: HEURE NORMALE UTILISÉE: CENTRAL											
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS		REL. HUMIDITY HUMIDITÉ REL.		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE HEURES			
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE BASE 18.0°C	GROWING DE CROISSANCE BASE 5.0°C	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION				
	°C	°C	°C			%	%	mm	cm	mm	cm	km/h		km/h					
1	15.4	5.5	10.5	7.5	5.5	97	58					17.0	S	S 30	8.9				
2	7.0	-1.0	3.0	15.0		84	51					25.1	E,N	NNE31*	4.8				
3	6.2	-2.5	1.9	16.1		87	47					25.3	SE	SSE31*	1.8				
4	8.0	4.5	6.3	11.7	1.3	92	56	TR.		TR.		38.0	SSE	SSE44	0.0				
5	11.8	4.1	8.0	10.0	3.0	97	52	TR.		TR.		16.1	S	S 33	0.7				
6	9.6	-1.1	4.3	13.7		79	44					10.6	W	SSE19	4.8				
7	10.6	1.8	6.2	11.8	1.2	81	60	TR.		TR.		28.9	S	W 48	1.7				
8	5.7	-7.7	-1.0	19.0		89	51					16.0	WNW	WNW33	3.5				
9	2.5	-8.5	-3.0	21.0		93	61		Tr.	TR.		5.3	NE	NE 13	2.6				
10	0.6	-11.0	-5.2	23.2		99	65					3.7	CALM	E 13	2.7				
11	1.0	-10.5	-4.8	22.8		94	59					10.6	ESE,SE	SE 19	8.1				
12	1.3	-5.5	-2.1	20.1		97	64					17.7	SE	SSE22*	1.1				
13	3.0	-1.7	0.7	17.3		100	93	TR.	0.3	0.3	1	12.7	S	SSE20*	0.0				
14	2.6	-1.0	0.8	17.2		100	68	TR.	TR.	TR.	TR	8.8	NNW	NNW22	1.0				
15	-0.3	-2.3	-1.3	19.3		88	64		TR.	TR.	TR	6.3	N	N 15	0.0				
16	1.0	-2.4	-0.7	18.7		87	69					20.2	SSE	S 35*	0.9				
17	1.4	-2.1	-0.4	18.4		100	78	TR.	0.2	0.2		29.1	SSE	SSE35*	0.0				
18	2.9	0.3	1.6	16.4		100	97	TR.		TR.		25.9	SSE	SSE41	0.0				
19	2.0	0.1	1.1	16.9		100	100	0.7	3.2	3.9		11.4	SSE	S 22	0.0				
20	0.5	-4.2	-1.9	19.9		100	85	TR.	4.4	5.2	5	23.8	N	N 33	0.0				
21	-2.8	-6.7	-4.8	22.8		98	85		2.8	2.8	6	21.0	NW	NW 28*	0.0				
22	-5.0	-13.0	-9.0	27.0		99	92		2.6	1.2	7	4.0	CALM	NW 13	2.1				
23	-5.8	-12.6	-9.2	27.2		99	83		0.6	0.2	10	10.8	WNW,NW	NW 33	0.0				
24	-6.6	-11.4	-9.0	27.0		90	74		TR.	TR.	8	26.8	W	NW 37	4.2				
25	-4.6	-12.6	-8.6	26.6		89	76		TR.	TR.	5	23.3	W	NW 33	2.2				
26	-2.4	-7.8	-5.1	23.1		94	71		TR.	TR.	5	14.0	NNW	NW 24	0.1				
27	-3.3	-7.3	-5.3	23.3		98	81	TR.	0.2	0.2	5	8.1	CALM	N 20*	0.6				
28	-7.0	-9.5	-8.3	26.3		94	82	TR.	1.2	0.2	5	20.5	N,NNE	N 31	0.7				
29	-9.2	-11.4	-10.3	28.3		93	82		2.0	1.0	6	29.3	N	N 37	0.0				
30	-6.8	-16.0	-11.4	29.4		92	66		0.6	TR.	4	19.1	NW	N 31	0.1				
31																			
MEAN MOYENNE	1.3	-5.1	-1.9	TOTAL 597.0	TOTAL 11.0	94	70	TOTAL 0	TOTAL 0.7	TOTAL 19.2	TOTAL 16.3		PREVAILING DOMINANTE SSE	MAXIMUM W 48	TOTAL 52.6				
NORMAL NORMALE	-0.3	-8.8	-4.5	676.0	3.8	89	63	0.0	5.5	21.9	25.2	3	19.4	SOUTH	57	90.7			
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS										DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE DE NEIGE:				
BELOW 18°C AU-DESSOUS DE 18°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL NORMALE	mm					cm						
								0.2 OR MORE OU PLUS	1.0 OR MORE OU PLUS	2.0 OR MORE OU PLUS	10.0 OR MORE OU PLUS	50.0 OR MORE OU PLUS	0.2 OR MORE OU PLUS	1.0 OR MORE OU PLUS	2.0 OR MORE OU PLUS	10.0 OR MORE OU PLUS	50.0 OR MORE OU PLUS		
TOTAL FOR MONTH TOTAL DU MOIS	597.0	713.8	676.0	TOTAL FOR MONTH TOTAL DU MOIS	11.0	0.0	3.8	11	6	3				12	7	5			
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	1178.8	1355.1	1288.1	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1906.2	1706.0	1783.3	11	6	3				12	7	5			

UDC 551.506.1 (

*) INDICATES MORE THAN ONE OCCURRENCE OF THE SPEED BUT NOT NECESSARILY THE DIRECTION. ! ACTUAL SPEED IS 50 KMH GREATER THAN INDICATED.

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This month was warm, cloudy and relatively dry. The mean temperature of minus 1.9 was 2.6 degrees above normal. The warmest day was the 1st with 15.4 degrees while the coldest night was the 30th with minus 16.0. The 52.6 hours of sunshine was only 19 percent of the total possible hours. It was the 10th cloudiest November on record. There were 10 days with no sunshine at all.

DAILY WEATHER SUMMARY FOR NOVEMBER 1983

AT WINNIPEG, MANITOBA

1. Mild. Mostly sunny. Mostly light winds S gust to 39 Km/h in morning. Light fog in morning. Visibility restricted. Record high minimum temperature.
2. Above normal temperature. Cloudy, clearing early afternoon. Moderate winds with NNE gust to 41 Km/h in morning.
3. Still above normal temperature. Cloudy. Moderate winds with SE gust to 50 Km/h in early afternoon.
4. Mild. Cloudy. Drizzle 9:36 PM continued. Fresh breeze with SSE gust to 69 Km/h in afternoon. Plane en route Winnipeg to Killarney crash-landed in bush 12 Km/h N of Mather. Two people killed.
5. Still mild, cloudy. Drizzle to 0110 AM. Mostly light winds but S gust to 48 Km/h in morning.
6. Still above normal. Partly cloudy. Light winds.
7. Still mild. Mostly cloudy. Rain 05:24 AM to 07:05 AM. Showers 7:15 AM to 11:25 AM. Rain 10:04 PM to 10:37 PM. Moderate winds with WNW gust to 67 Km/h late evening.
8. Slightly above normal temperature. Cloudy, clearing late afternoon. Mostly light winds but WNW gust to 50 Km/h in early morning.
9. Near normal temperature. Mostly cloudy. Snow flurries 7:56 AM to 8:28 AM, 1:25 PM to 1:28 PM. Light winds.
10. Below normal temperature. Mostly cloudy. Fog patches in morning. Light winds.
11. Below normal temperature. Mostly sunny. Light winds.
12. Slightly above normal temperature. Mostly cloudy. Snow 12:18 PM continued. Mostly light winds with SE gust to 33 Km/h in morning. Visibility restricted in snow.
13. Above normal temperature. Cloudy. Snow to 5:40 AM, 8:35 AM to 9:15 AM. Drizzle 7:22 PM to 10:38 PM. Light fog morning and afternoon. Visibility restricted. Light winds.
14. Above normal temperature. Mostly cloudy. Drizzle 00:21 AM to 00:42 AM. Snow 00:42 AM to 3:42 AM. 10:12 AM to 10:25 AM 5:10 PM to 5:25 PM 10:43 PM continued. Light winds.
15. Still above normal temperature. Cloudy. Snow to 8:40 AM. Light winds.
16. Still above normal temperature. Cloudy. Moderate winds with SSE gust to 46 Km/h in afternoon.
17. Still above normal temperature. Cloudy, Snow 12:46 PM to 4:08 PM. Ice pellets 1:35 PM to 3:18 PM. Rain 3:18 PM to 4:14 PM. Snow 4:08 PM to 7:00 PM. Drizzle 7:00 PM to 8:40 PM. Fresh SSE winds with SSE gust to 56 Km/h in morning. Drifting snow. Nordair jet makes emergency landing about noon due to damaged wheel. No injuries.
18. Mild. Cloudy. Drizzle 04:25 AM to 10:15 AM. Rain 3:41 PM to 3:46 PM. Heavy fog 11:58 PM continued but light fog most of the day. Visibility restricted. Moderate SSE winds with SSE gust to 48 Km/h in morning.
19. Still mild. Cloudy. Drizzle 11:45 AM to 7:01 PM. Rain 6:41 PM to 7:50 PM. Snow 7:26 PM continued. Heavy fog to 10:55 AM. Light fog till 11 PM. Visibility restricted. Light SSE winds.
20. Still above normal temperature. Cloudy. Snow to 1:35 PM 6:40 PM. continued freezing drizzle 7:24 PM to 8:15 PM. Light fog in afternoon. Visibility restricted in snow and fog. Moderate N winds with N gust to 48 Km/h in afternoon.
21. Still above normal temperature. Cloudy. Snow to 2:45 PM. 10:46 PM to 11:36 PM. Moderate NW winds with NNW gust to 33 Km/h early afternoon. Visibility reduced in snow. Drifting snow.
22. Slightly below normal temperature. Mostly cloudy. Snow 01:29 AM to 5:47 AM, 1:26 PM to 2:15 PM, 5:10 PM continued. Heavy fog 6:33 AM to 8 AM. Light fog till 8:16 AM in morning. 4:30 PM to 5:00 PM. Light winds. Visibility reduced. U.S. tourist riding tundra buggy mauled by polar bear 55 km east of Churchill. Mild weather there prevented bears from beginning their winter long seal hunt on Hudson Bay.
23. Slightly below normal temperature. Cloudy, snow to 6:15 AM 2:20 PM to 6:40 PM. 7:17 PM continued. Heavy fog 5:44 AM to 6:25 AM. Light fog till mid afternoon. Visibility reduced. Mostly light winds but NNW gust to 43 Km/h late evening. Drifting snow.
24. Slightly below normal temperature. Cloudy clearing in afternoon. Snow to 00:46 AM, 3:17 AM to 1:47 PM. Blowing snow 10:56 AM to 1:20 PM. Drifting snow. Visibility restricted. Moderate winds with NW gust to 50 Km/h in morning.
25. Slightly above normal temperature. Sunny becoming cloudy late morning, snow or flurries 1:17 PM to 11:10 PM. Visibility restricted early afternoon. Moderate winds with NW gust to 41 Km/h in evening. Drifting snow.
26. Above normal temperature. Cloudy. Snow 1:40 AM to 2:10 AM. 8:37 AM to 12:34 PM. Light winds.
27. Above normal temperature. Cloudy, snow 5:25 AM to 8:15 AM. Flurries 10:05 AM to 10:15 AM. Snow 7:07 PM continued, drizzle 7:34 to 8:04 AM. Freezing drizzle 11:19 PM continued. Light winds. Light fog in morning. Visibility restricted.
28. Above normal temperature. Cloudy. Freezing drizzle to 1:36 AM. Snow all day. Moderate winds with N gust to 39 Km/h in evening. Drifting snow, visibility reduced in snow.
29. Above normal temperature. Cloudy, snow to 3:10 PM, 9:52 PM continued. Blowing snow 8:50 AM to 11:58 AM. Drifting snow. Visibility restricted. Fresh north winds with north gust to 44 Km/h in morning. Polar bears still dangerous. Killed a man on the street at Churchill. About 15 bears on the prowl near dump. 5 near airport. Assiniboine River frozen over.
30. Slightly above normal temperature. Cloudy. Snow to 01:39 AM, 3:47 AM to 9:14 PM. Drifting snow visibility occasionally reduced. Mostly light winds but NNW GUST TO 41 Km/h in morning. Red River frozen over.

HOURLY DEWPOINT TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF NOVEMBER 1983
 LOCAL STANDARD TIME

ALL TEMPERATURES IN DEGREES CELSIUS

DATE	00.	01.	02.	03.	04.	05.	06.	07.	08.	09.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
1.	7.4	7.3	7.2	6.9	6.6	6.1	5.8	5.4	4.9	5.5	5.7	5.8	6.7	6.8	6.4	5.5	5.4	5.1	3.9	5.2	3.5	4.4	5.8	5.2
2.	4.6	3.4	3.0	3.0	3.0	2.3	1.6	2	-1.0	-2.0	-1.9	-2.2	-1.6	-1.6	-2.2	-2.6	-3.2	-3.7	-3.8	-3.9	-4.2	-4.4	-4.5	-4.6
3.	-4.3	-4.2	-4.0	-4.0	-3.7	-4.2	-4.0	-4.3	-4.0	-4.1	-3.9	-3.9	-4.2	-4.4	-3.9	-4.0	-3.6	-5.3	-4.9	-4.3	-4.4	-4.3	-4.4	-4.3
4.	-3.9	-3.4	-2.9	-2.2	-1.3	-1.0	-0.7	-0.4	-1.5	-1.7	-0.7	-0.5	0.9	1.8	1.4	1.0	1.5	1.5	2.3	3.0	3.1	3.6	4.0	4.4
5.	5.1	5.5	5.8	6.1	6.2	6.4	6.6	6.7	7.0	7.4	8.0	7.4	6.0	5.2	1.8	1.8	1.8	2.2	2.3	2.3	3.1	1.9	1.5	1.2
6.	1	-1.4	-2.4	-2.7	-3.0	-3.5	-3.5	-4.3	-4.8	-4.2	-1.7	-0.8	-0.5	-0.8	-1.6	-2.5	-1.3	-2.7	-2.2	-1.8	-1.1	-0.6	-0.4	0.6
7.	0.9	1.2	1.6	2.2	2.3	1.8	2.4	2.3	2.2	2.3	2.9	3.7	4.7	3.8	3.7	3.2	1.9	0.4	0.2	-0.5	-0.9	-2.1	-1.2	-1.1
8.	-1.1	-1.8	-2.2	-2.7	-3.9	-2.9	-2.9	-2.2	-1.7	-1.0	-6.9	-2.7	-3.0	-4.0	-4.1	-4.7	-3.6	-4.4	-3.1	-4.3	-5.7	-7.4	-6.7	-7.8
9.	-9.8	-8.6	-7.9	-8.6	-8.6	-7.2	-7.0	-5.8	-5.1	-4.2	-3.4	-4.4	-4.3	-4.3	-4.5	-4.3	-4.3	-4.3	-4.3	-5.3	-5.3	-7.3	-8.2	-7.3
10.	-9.4	-8.6	-9.6	-7.5	-9.0	-11.2	-7.5	-7.3	-9.2	-5.8	-4.7	-4.0	-4.2	-5.1	-5.2	-5.5	-5.4	-6.5	-6.3	-6.8	-6.6	-7.5	-8.0	-8.8
11.	-9.6	-10.2	-10.5	-9.6	-8.0	-8.8	-8.6	-8.6	-8.1	-6.8	-5.8	-5.6	-5.6	-6.0	-5.8	-6.6	-7.2	-6.2	-8.7	-8.4	-8.7	-7.1	-6.9	-7.1
12.	-7.3	-7.3	-7.3	-7.4	-7.5	-7.4	-6.8	-7.2	-6.6	-7.0	-6.6	-6.2	-5.5	-2.8	-2.0	-2.0	-1.7	-1.8	-1.6	-1.6	-1.9	-2.1	-2.7	-2.6
13.	-2.6	-2.1	-1.9	-1.9	-1.8	-1.7	-1.6	-1.5	-1.2	-0.8	-0.2	0.0	0.5	1.2	1.5	1.5	1.4	1.3	1.2	1.2	0.6	0.6	0.4	0.4
14.	0.3	0.3	0.2	0.6	1.0	1.4	1.4	1.4	1.5	1.2	1.4	1.3	1.8	2.3	2.6	3.2	2.9	2.5	1.8	1.9	1.8	1.8	1.9	1.9
15.	-2.0	-2.7	-3.6	-4.2	-5.0	-4.7	-4.2	-4.6	-4.8	-4.9	-5.0	-5.6	-6.0	-6.5	-6.9	-6.5	-6.5	-6.0	-6.0	-6.0	-5.4	-5.9	-5.8	-6.6
16.	-6.4	-6.2	-6.5	-6.3	-6.5	-6.0	-5.5	-5.8	-5.3	-5.0	-5.1	-5.9	-5.4	-5.1	-4.6	-4.5	-4.3	-4.5	-4.6	-4.6	-4.3	-4.1	-3.8	-3.9
17.	-3.9	-3.8	-3.9	-3.8	-4.0	-4.0	-4.0	-2.8	-3.7	-3.3	-2.7	-2.3	-2.0	-1.5	-0.2	-0.2	-0.2	-0.3	-0.3	-0.1	0.4	0.5	0.5	0.6
18.	0.6	0.6	0.6	0.8	0.8	0.6	0.6	0.6	0.7	1.0	1.2	1.3	1.5	1.8	1.9	2.1	2.1	2.0	1.9	1.8	2.0	1.8	1.8	1.8
19.	1.8	1.5	2.0	2.0	1.6	1.4	1.0	1.0	0.4	0.5	0.5	1.0	1.0	1.5	1.5	1.8	1.8	1.8	1.5	1.5	1.5	1.2	1.2	1.1
20.	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	-0.3	-1.7	-2.0	-1.5	-2.5	-3.8	-4.6	-5.0	-5.0	-4.8	-4.7	-5.1	-5.0	-4.6
21.	-4.4	-4.4	-4.5	-4.6	-4.7	-4.9	-4.8	-4.9	-4.7	-4.6	-4.5	-4.3	-4.8	-5.0	-5.0	-5.4	-5.4	-5.4	-6.5	-7.2	-6.6	-7.3	-6.8	-7.0
22.	-7.0	-6.6	-6.4	-6.7	-8.8	-12.3	-12.6	-12.2	-10.7	-9.8	-8.0	-7.3	-7.2	-6.8	-6.6	-6.4	-6.6	-6.5	-6.3	-6.1	-6.1	-6.4	-6.7	-7.1
23.	-7.2	-7.4	-7.5	-8.9	-11.2	-11.5	-11.9	-12.0	-13.2	-12.0	-10.6	-9.7	-10.2	-11.0	-9.8	-7.9	-7.4	-7.9	-7.3	-7.1	-7.9	-7.7	-8.4	-8.3
24.	-8.4	-9.2	-9.3	-9.9	-9.6	-9.7	-9.9	-10.6	-10.4	-9.8	-10.1	-10.4	-10.5	-11.5	-11.6	-12.5	-11.7	-12.5	-12.4	-13.1	-13.7	-13.7	-13.6	-13.3
25.	-13.8	-14.0	-13.9	-14.2	-14.1	-14.3	-14.4	-14.7	-14.9	-14.6	-14.1	-13.5	-12.5	-11.3	-9.8	-9.8	-9.5	-9.2	-8.7	-8.2	-8.1	-7.3	-6.6	-6.6
26.	-6.5	-6.3	-6.4	-7.4	-8.0	-8.6	-7.4	-7.4	-8.2	-7.8	-7.5	-8.5	-9.2	-7.3	-7.0	-6.2	-5.5	-5.3	-5.1	-4.5	-5.5	-5.5	-5.6	-5.8
27.	-5.6	-5.2	-5.2	-5.0	-4.7	-4.7	-4.5	-4.5	-4.3	-5.8	-5.6	-5.1	-5.3	-5.4	-5.9	-6.8	-7.7	-7.5	-7.9	-7.8	-8.2	-7.9	-8.9	-8.6
28.	-8.1	-8.3	-8.4	-8.6	-8.6	-9.1	-9.0	-9.8	-10.1	-10.0	-10.6	-10.5	-10.5	-10.3	-11.0	-10.6	-11.2	-10.6	-10.6	-10.5	-10.6	-10.7	-10.8	-10.7
29.	-10.8	-11.4	-11.6	-12.1	-12.1	-12.3	-12.4	-12.8	-13.2	-13.2	-13.2	-13.2	-13.2	-12.7	-13.1	-13.0	-12.9	-12.9	-12.4	-12.2	-12.2	-12.0	-11.6	-11.6
30.	-11.0	-10.6	-10.1	-9.8	-10.1	-9.8	-9.9	-9.9	-9.8	-9.8	-9.3	-9.7	-10.3	-9.9	-10.1	-10.1	-9.1	-9.3	-10.6	-11.1	-12.2	-14.2	-15.8	-17.0

MEAN	-4.0	-4.0	-4.1	-4.2	-4.3	-4.7	-4.4	-4.4	-4.5	-4.6	-4.4	-4.1	-3.9	-3.9	-3.8	-3.8	-4.0	-3.9	-4.2	-4.2	-4.1	-4.4	-4.5	-4.6	-4.6
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MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	5.8	-1.0	-4.1	0.3	4.5	-1.9	1.6	-3.8	-6.0	-7.0	-7.7	-4.6	-0.1	-1.4	-5.1	-5.1

MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	-1.8	1.3	1.2	-1.9	-5.3	-7.7	-9.2	-11.0	-11.5	-6.7	-6.1	-9.8	-12.2	-10.7

NOTE: AS OF JANUARY 1 1983, HOURLY DEWPOINT TEMPERATURES HAVE REPLACED HOURLY WETBULB TEMPERATURES IN THIS PUBLICATION.

