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AUSTRALIA - COMMUNICABLE DISEASES INTELLIGENCE
(incorporating the National Microbiological
Laboratory Reporting Service)

BULLETIN 22

20 October 1977-2 November 1977

14 NOV 1977
DEPARTMENT OF HEALTH

As you may be aware, we are still experimenting with the cover page, but it is hoped that we will arrive at a final one soon.

OUTBREAK OF INFLUENZA-LIKE ILLNESS - CANADA (taken from the
Canada diseases weekly report, October 22 1977)

In Bulletin 19, a report was made on an outbreak of an influenza-like illness amongst Australian army personnel on a flight from Brisbane to British Columbia, Canada. The virus isolated was tentatively classified as Influenza A.

Canada has now advised that the virus "has been confirmed as being antigenically similar to A/Texas/1/77 by the WHO Influenza Reference Centre at CDC, Atlanta".

SMALLPOX SURVEILLANCE - WORLDWIDE (taken from MMWR, October 28, 1977)

"A total of 940 outbreaks of smallpox involving 3208 cases have been reported to the WHO in the period January 1 - October 4, 1977. The world's last known foci of smallpox are now confined to southern Somalia, which accounted for all but 5 of this year's reported cases. However, Somalia, southern Ethiopia, Northern Kenya and the Republic of Djibouti form one epidemiologic unit, since nomadic populations roam throughout the Ogaden Desert, which includes parts of all of these countries".

HERPES VIRUS INFECTIONS

Further to the analysis of the herpes virus infections in Bulletin 12, the reports for the period July-September (Bulletins 14-20 inclusive) were totalled:

	<u>Oral/Skin</u>	<u>Genital</u>	<u>Total</u>
HSV Type I	135	42	177
HSV Type II	15	170	185
HSV Not Typed	<u>109</u>	<u>60</u>	<u>169</u>
TOTAL	<u>259</u>	<u>272</u>	<u>531</u>

The Bulletin is compiled and distributed by the Environmental Health Branch, Department of Health, P.O. Box 100, Woden, A.C.T. 2606, Australia, and is available on request. Contributions are solicited, and do not preclude later publication elsewhere. Material appearing in the Bulletin may be quoted provided suitable acknowledgement is made.

GROUP B ARBOVIRUS (contributed by staff at Fairfield Hospital)

Sera from the suspected case of Japanese B encephalitis reported in Bulletin 21 have been tested by C.F. at the Queensland Institute of Medical Research and a sero-conversion to Japanese B encephalitis virus demonstrated (28.7.77 1:8 - 23.8.77 1:16).

Paired sera from a second patient - a 38 year old woman recently returned from Indonesia and Bali have shown a significant rise in Gp. B Arbovirus antibodies. This patient became ill a day before her return to Melbourne and 5 days later was drowsy, incontinent and unable to speak, ophthalmoplegia and ataxic cerebellar gait then developed. She has recovered reasonably well except for persisting eye problems. Investigations are proceeding.

of an influenza-like illness... on a flight from Brisbane to British Columbia, Canada. The virus isolated was tentatively classified as influenza A. Canada has now advised that the virus has been confirmed as being antigenically similar to A/Texas/11/77 by the WHO Influenza Reference Centre at CDC, Atlanta.

SMALLPOX SURVEILLANCE - WORLDWIDE (taken from WHO Bulletin, October 18, 1977)

A total of 240 patients of smallpox involving 2100 cases have been reported to WHO in the period January 1 - October 1977. The world's last known case of smallpox was now confined to southern Somalia, which accounted for all but 5 of this year's reported cases. However, Somalia, southern Ethiopia, northern Kenya and the Republic of Guinea-Bissau epidemic-prone, since reported epidemics have occurred throughout the Sahel Desert, which included parts of all of these countries.

HERPES VIRUS INFECTIONS

Further to the analysis of the herpes virus infections in Malawi, the reporter for the period July-September (Bulletin 14-2) inclusive, were tallied:

	Oral/Skin	Genital	Total
HSV Type I	125	42	177
HSV Type II	121	176	297
HSV Non-Typed	108	60	168
TOTAL	354	278	632

The criteria is confined and distributed by the Environmental Health Centre, Department of Health, 111, St. John Street, S.L. 2500, Malawi, and is available on request. Some viruses are identified, and so not included after notification of the laboratory of the Institute of Virology, University of Liverpool.

NATIONAL MICROBIOLOGICAL LABORATORY REPORTING SERVICE

PERIOD 22
 DATES 20 Oct. '77 - 2 Nov. '77

LABORATORY

VIRUS OR VIRAL ANTIGEN	BRISBANE STATE LAB.	SYDNEY/CANBERRA			MELBOURNE		ADELAIDE	PERTH STATE LAB.	TOT
		ICPMR/WVH	RAHC	PHH/POW	FAIR-FIELD	RCH	IMVS		
0100 Adenovirus not typed	7			1	1			2	11
0101 " type 1		1			1			1	3
0102 " " 2						1	1	2	4
0105 " " 5		2						1	3
0109 " " 9								1	1
0201 Influenza A virus	3	3		9	8		4	13	40
0202 " A virus subtype H3N2 (former A2)					7	3			10
0203 Influenza B virus	1				4				5
0301 Parainfluenza virus type 1								4	4
0302 " " " 2								3	3
0303 " " " 3					2	2	1	2	7
0400 Respiratory syncytial virus (RS)				1	1	1	3	15	21
0500 Rhinovirus (all types)	6				1	7	2		16
0600 Mycoplasma pneumoniae	2	17	1	2	6			3	31
0700 Ornithosis-psittacosis				1	1				2
0800 Coxsackievirus group A - not typed	1							4	5
0816 " A16								4	4
0900 " group B - not typed								1	1
0903 " B3	1		1						2
0905 " B5								1	1
1000 Echovirus not typed	1								1
1001 " type 1							1		1

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PERIOD 22
 DATES 20 Oct. '77 - 2 Nov. '77

VIRUS OR VIRAL ANTIGEN	BRISBANE STATE LAB.	SYDNEY/CANBERRA			MELBOURNE		ADELAIDE	PERTH STATE LAB.	TOTAL
		ICPMR/ WVH	RAHC	PHH/POW	FAIR- FIELD	RCH	IMVS		
1005 Echovirus type 5	1								1
1006 " " 6				2					2
1007 " " 7					2	2			4
1009 " " 9	2				2	1		1	6
1011 " " 11				1			1		2
1014 " " 14		1						2	2
1015 " " 15									1
1017 " " 17					1				1
1018 " " 18		1							1
1022 " " 22						1	1		2
1030 " " 30		3						1	4
1101 Poliovirus type 1	1				5	2	1		9
1102 " " 2						1		1	2
1103 " " 3					1		1	2	4
1104 Poliovirus - vaccinal strain				3					3
1200 Mumps virus	7			2	4			1	14
1300 Herpes virus not typed		1			2		2	4	9
1301 Herpes simplex virus - not typed	21	5	2	7	1	7	1		44
1302 Epstein-Barr virus (EB virus)					1		2	2	5
1303 Varicella-Zoster virus	1	2		2			2		7
1306 Herpes simplex type 1		6			15		13		34
1307 " " 2		24			8		14		46
1401 Coxiella burneti	13	3			1				17

NATIONAL MICROBIOLOGICAL LABORATORY REPORTING SERVICE

PERIOD 22
 DATES 20 Oct. '77 - 2 Nov. '77

LABORATORY

VIRUS OR VIRAL ANTIGEN	BRISBANE STATE LAB.	SYDNEY/CANBERRA			MELBOURNE		ADELAIDE	PERTH STATE LAB.	TOTAL
		ICPMR/WVH	RAHC	PHH/POW	FAIR-FIELD	RCH	IMVS		
1521 Measles virus	1		2	1		1			5
1522 Rubella virus	1			1	6	1	1		10
1532 Hepatitis B antigen	4	6	1	8	22		6	7	54
1533 " B antibody	3						13	17	33
1541 TRIC - Trachoma-Inclusion conjunctivitis							1	25	26
1543 LGV - Lymphogranuloma venereum								1	1
1556 CMV - cytomegalovirus	10	4		4		7	4	12	41
1563 Coronavirus								3	3
1564 Rotavirus				1	3		2	2	8
1568 Enterovirus type 68					1				1
Arvovirus Group B					1				1
Dengue fever	1								1
TOTAL TYPED VIRUSES	88	79	7	46	108	37	77	138	580
0199 Adenovirus type pending						4	1		5
0899 Coxsackievirus group A type pending		1							1
1099 Echovirus type pending		2							2
1399 Herpes virus type pending							1	25	26
1599 Enterovirus type pending						7			7

PERIOD: 22
 DATE: 20 Oct. '77 - 2 Nov. '77

SOURCE OF SPECIMEN

VIRUS OR VIRAL ANTIGEN	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	TOTAL
0100 Adenovirus not typed	5	1	5								11
0101 " type 1			3								3
0102 " " 2	2		2								4
0105 " " 5			3								3
0109 " " 9						1					1
0201 Influenza A virus		28	12								40
0202 " A virus subtype H3N2 (former A2)		1	9								10
0203 Influenza B virus		1	4								5
0301 Parainfluenza virus type 1			4								4
0302 " " " 2			3								3
0303 " " " 3			7								7
0400 Respiratory syncytial virus (RS)		1	20								21
0500 Rhinovirus (all types)			16						1		17
0600 Mycoplasma pneumoniae		31									31
0700 Ornithosis-psittacosis		2									2
0800 Coxsackievirus group A - not typed	3		2								5
0816 " A16			2		4						6
0900 " group B - not typed	1										1
0903 " B3	1	1	1								3
0905 " B5		1									1
1000 Echovirus not typed	1										1
1001 " type 1	1										1
1005 " " 5			6	1							7
1006 " " 6	1						1				2
1007 " " 7			4								4
1009 " " 9	1		4	2							7

7/10/'77

LIST B COMMUNICABLE DISEASES AND AGENTS NOTIFIED AFTER HOSPITAL AND LABORATORY DIAGNOSIS

DISEASES	CASES NOTIFIED DURING WEEK								CUMULATIVE TOTAL - year to date*							
	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	T. & G.
AMOEBIASIS	N.N.								N.N.			3				
ANKYLOSTOMIASIS	N.N.								N.N.							
ARBO VIRUS INFECTION			N.N.		N.N.						N.N.		N.N.			
DENGUE					N.N.								N.N.			
MURRAY VALLEY ENCEPHALITIS			N.N.	N.N.	N.N.		N.N.				N.N.	N.N.	N.N.		N.N.	
OTHER (STATE TYPE)				N.N.	N.N.		N.N.					N.N.	N.N.		N.N.	
HYDATID												2				
MALARIA												14				
ORNITHOSIS (PSITTACOSIS, etc)																
Q. FEVER							N.N.								N.N.	
SALMONELLA (LABORATORY ISOLATES)												194				
SHIGELLA (LABORATORY ISOLATES)	N.N.								N.N.			* 63				

N.N. - NOT NOTIFIABLE

* - INCLUDES ADJUSTMENTS FOR REVISED DIAGNOSIS OR OTHER AMENDMENT.

QLD. (+) - MONTHLY NOTIFICATION OF GONORRHOEA AND SYPHILIS.

14.10.'77

LIST B COMMUNICABLE DISEASES AND AGENTS NOTIFIED AFTER HOSPITAL AND LABORATORY DIAGNOSIS

DISEASES	CASES NOTIFIED DURING WEEK								CUMULATIVE TOTAL - year to date*								
	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.	
AMOEBIASIS	N.N.								N.N.	6	18	3	4				* 256
ANKYLOSTOMIASIS	N.N.								N.N.		45		17				
ARBO VIRUS INFECTION			N.N.		N.N.						N.N.		N.N.				
DENGUE					N.N.						1		N.N.				
MURRAY VALLEY ENCEPHALITIS			N.N.	N.N.	N.N.		N.N.				N.N.	N.N.	N.N.		N.N.		
OTHER (STATE TYPE)				N.N.	N.N.		N.N.					N.N.	N.N.		N.N.		
HYDATID									8	1	1	2	1			2	
MALARIA	2	2							64	41	51	14	20	1	9	8	
ORNITHOSIS (PSITTACOSIS, etc)										1			1				
Q. FEVER	3		5				N.N.		123		399					N.N.	
SALMONELLA (LABORATORY ISOLATES)	10	4	2			1			* 587	110	60	194	223	50	38	49	
SHIGELLA (LABORATORY ISOLATES)	N.N.		2					2	N.N.		71	63			5	148	

N.N. - NOT NOTIFIABLE

* - INCLUDES ADJUSTMENTS FOR REVISED DIAGNOSIS OR OTHER AMENDMENT.

QLD. (+) - MONTHLY NOTIFICATION OF GONORRHOEA AND SYPHILIS.

Director-General of Health

21/10/'77

LIST B COMMUNICABLE DISEASES AND AGENTS NOTIFIED AFTER HOSPITAL AND LABORATORY DIAGNOSIS

DISEASES	CASES NOTIFIED DURING WEEK								CUMULATIVE TOTAL - year to date*							
	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	A.C.T.	N.T.
AMOEBIASIS	N.N.		1						N.N.	6	19	3	4			
ANKYLOSTOMIASIS	N.N.								N.N.		45		17			
ARBO VIRUS INFECTION			N.N.		N.N.						N.N.		N.N.			
DENGUE					N.N.						1		N.N.			
MURRAY VALLEY ENCEPHALITIS			N.N.	N.N.	N.N.		N.N.				N.N.	N.N.	N.N.		N.N.	
OTHER (STATE TYPE)				N.N.	N.N.		N.N.					N.N.	N.N.		N.N.	
HYDATID		2							8	3	1	2	1			2
MALARIA	1	1							*64	42	51	14	20	1		9
ORNITHOSIS (PSITTACOSIS, etc)										1			1			
Q. FEVER							N.N.		123		399					N.N.
SALMONELLA (LABORATORY ISOLATES)	4	4	1	4			4		591	114	61	198	223	50		42
SHIGELLA (LABORATORY ISOLATES)	N.N.		2	2			1		N.N.		73	65				6

N.N. - NOT NOTIFIABLE

* - INCLUDES ADJUSTMENTS FOR REVISED DIAGNOSIS OR OTHER AMENDMENT.

QLD. (+) - MONTHLY NOTIFICATION OF GONORRHOEA AND SYPHILIS.

Director-General of Health