

ANNEX 1

MESSAGE OF THE DIRECTOR - GENERAL OF WHO TO THE SMALLPOX
ERADICATION PROGRAMME, MOGADISHU, 26 OCTOBER 1978

This meeting marks one year of freedom from smallpox in Somalia. I should, therefore, like to express my congratulations to all of you who have contributed to this historical achievement. This is a truly significant moment, and I should like to briefly review the importance of this event.

The origin of smallpox is obscure, but historical records suggest that the disease occurred in the eastern part of the Asian continent many thousands of years ago. This scourge travelled westwards following movements of the population, these movements were related to trade, natural calamities and wars. By the eighteenth century smallpox was rampant almost everywhere people lived, throughout the world. Millions died, became blind or disfigured with smallpox.

Man's first effort to control the disease occurred in the late eighteenth century. Edward Jenner, British physician, discovered a vaccine which protected people from smallpox. During the nineteenth and early twentieth centuries there was wide-scale use of this vaccine, now further improved. By 1950 disease transmission had been successfully stopped in many countries in the northern hemisphere. However, countries with tropical climates were not as successful because the vaccine rapidly lost potency due to the lack of refrigeration in such areas. The first breakthrough came in the 1950's when Dr L. H. Collier, in the UK, developed a method for mass production of freeze-dried vaccine. This freeze-dried vaccine could resist the excessive heat of tropical climates. Thus, one problem was solved. But the countries in tropical zones still had difficulties with the disease because they lacked sufficient resources to establish an effective health delivery system to administer the vaccinations.

The second breakthrough for the achievement of eradication was not technological but was administrative. As you are well aware, intensified efforts for the global eradication of smallpox started in 1967. This combined the commitment of nationals, WHO and donor countries and was translated into action in all the then smallpox endemic countries. By then the technology of producing heat stable vaccine was available and epidemiological methods for combatting the disease were known. Most important, however, was the concerted world effort to fight for the common goal.

The programme has been successful. Smallpox transmission, which continued for at least 3 000 years, has apparently come to an end. The last endemic focus in the world appears to have been eliminated one year ago today.

The contribution of Somalia to this historical event is considerable. Here national and international programme staff have successfully fought the final battle despite limited resources, limited communications and the recent frontier disputes.

In addition to the incredible work done in Somalia, I specifically appreciate the continuing efforts made for the last 12 months to verify whether nil incidence has truly been achieved. The surveillance teams have visited the remotest areas of the country to detect smallpox. I am fully aware of the devotion to duty and sacrifices made by programme staff to verify smallpox freedom. While I now congratulate you on the magnificent work done over the past two years, I am aware that the work will continue for another 12 months and I will be following your progress closely. And I wholeheartedly expect that on 26 October 1979 Somalia will have convincing proof of smallpox eradication, so that the world community will have absolutely no doubts that the job has been properly accomplished.

With smallpox vanquished, there are still a great number of priority health areas in Somalia. The recent Alma Ata Conference on Primary Health Care declared that the existing gross inequality in the health status of the people, particularly between the developed and developing countries, is unacceptable and is, therefore, of common concern to all countries. Unity is necessary to achieve better health in the world population. Smallpox eradication has shown that unity is possible and the programme in Somalia is an excellent example of this. Furthermore, the country has shown tremendous self-confidence in discovering that if a nation wishes to do something then it can be done.

Halfdan Mahler, M.D.
Director-General
World Health Organization

ANNEX 2

MESSAGE OF THE DIRECTOR, WHO EASTERN MEDITERRANEAN REGION
MOGADISHU, 26 OCTOBER 1978

The Global Smallpox Eradication Programme, initiated in 1967, has indeed achieved unique success in eradicating this disease which has taken a great toll of life throughout centuries of human recorded history. The "Zero Case" target has been reached a year ago, when the last known man-to-man transmitted case occurred in Merca town in Somalia. This is an important landmark in the history of international health as well as man's fight against devastating epidemics.

The Smallpox Eradication Programme achieved success because it has been using efficient but simple techniques appropriate both to conquer the disease as well as to the conditions prevalent in countries involved in the programme.

Although important international assistance was made available for the cause, smallpox eradication could only be achieved as a result of self-reliance by national health authorities in the first place and through their planned mobilization and utilization of their own resources.

As the last endemic focus was wiped out in Somalia, a country of the Eastern Mediterranean Region, after hundreds of cases were detected and effectively dealt with through an effective scheme of case search, surveillance, containment and vaccination, it is now my privilege to emphasize the remarkable success achieved by the Somali national authorities, in collaboration with WHO and other international agencies within the overall global programme.

It is my pleasure to extend my greetings and sincere congratulations to His Excellency, the Minister of Health, and to the hundreds of Somali health workers at all levels who have actively participated in the programme, for their continued and successful efforts.

I also wish to express my appreciation to all WHO staff who have actively collaborated with national authorities in the successful achievement of the programme.

It is worth mentioning that a number of countries of this Region are at present engaged in activities for International Certification of Smallpox Eradication, as part of the global effort for certification, and we are looking forward to 1979 when we hope to see the officially-documented end of this longlasting scourge.

Dr A. H. Taba
Director
WHO Eastern Mediterranean Region

ANNEX 3

MESSAGE OF H.E. THE MINISTER OF HEALTH* TO THE SMALLPOX
ERADICATION PROGRAMME, MOGADISHU, 25 OCTOBER 1978

In September 1976, smallpox was reintroduced into Somalia from Ethiopia. Immediate action was taken to alert local authorities in the most vulnerable areas. Two night searches were conducted in Mogadishu using a total of 3 500 persons. Their brief was first to locate any active cases and secondly to vaccinate anyone who had escaped vaccination during earlier routine campaigns. The Ministry of Health was assisted by the Armed Forces, students, para-medical staff and volunteers from the public. We also requested assistance from WHO and we are grateful to them for their prompt response.

With increased activities and the discovery of more outbreaks, the Ministry of Health declared an emergency situation. The Government appealed for assistance to WHO, UNDP and all countries as a result of which funds, transport and advisory personnel were made available at short notice.

During 1977 a total of 3 229 cases of smallpox were discovered in 10 regions. At the height of the epidemic over 3 100 staff were engaged in surveillance and containment operations and over 40 vehicles were utilized. The last case of smallpox in Somalia suffered the onset of the rash on 26 October 1977 in Merca town, Lower Shabelli Region. Country-wide search operations have been regularly conducted since that date utilizing, at times, over 1 000 staff. We are convinced from these activities that there is no possibility of any ongoing transmission or any hidden foci anywhere in Somalia.

To satisfy the world community we shall continue surveillance activities and prepare programme documentation to meet the requirements of the International Commission for the Certification of Smallpox Eradication whom we shall expect to visit Somalia in October 1979.

At this historic moment both for our country, and for the world, the Ministry of Health conveys its sincere thanks to all those countries who responded to our requests during the emergency period, to WHO and its experts and last, but not least, my own personal thanks to Ministry personnel, local administrators, students, party officials, the Armed Forces and the Somali public for their united efforts in eliminating smallpox from our land.

* Summarized from a longer speech made on the occasion of a programme review meeting.

ANNEX 4

NATIONAL SUPERVISORY STAFF IN THE SOMALIAN
SMALLPOX ERADICATION PROGRAMME, 1977-79REGIONAL EPIDEMIOLOGISTS

Dini Shire Jama	Dugsie Raygal Warsame
Hassan Alasow Nur	Mohamed Hassan Abdulle
Adan Mattan	Jama Ahmed Mohamoud
Mohamed Ali Abdi	Mohamed Farah Adan
Mohamed Ali Hassan	Mohamed Yusuf Adan
Farah Sahil Deria	Mohamed Adan Ibrahim
Abukar Mohamed Ahmed	Mohamed Ali Hayleh
Haji Abdi Farah	Hussein Ali Ahmed
Hassan Yellahow	Ahmed Abdi Bayra
Mohamed Abdi Adan	Yusuf Mohamed Ali
Muse Abdulle	Bashir Ali Roble
Mohamed Yusuf Guleed	Abdulqadir Mohamed Issa
Anshur Ali Barrow	Abdullahi Jama Nageye
Abdulkadir Sheikh Hassan	Ismail Osman Awad
Ali Abdi Farah	Ahmed Salah Soleyman
Ali Said Haji	Mohamoud Ahmed Gure
Mohamed Ali Jama	Mohamed Alale Gahayr
Mohamoud Shive Mohamed	Mohamed Adan Abdulle

DISTRICT TEAM LEADERS

Mohamed Ahmed Abdi	Mohamoud Abdi Ali
Abdurahman Abdi Ali	Nur Ahmed Yusuf
Mohamed Ahmed Salah	Abdulkadir Mohamed Jama
Isak Ibrahim Abdirahman	Rashid Nur Ibrahm
Ali Mursal Ali	Ibrahim Mohamed Mohamoud
Ali Hashi Salad	Ali Mohamed Issa
Farah Hasan Hersi	Abdulkadir Diriye Mohamed
Mohamed Rashid Haji	Ali Haji Mohamed
Ali Sheikh Ibrahim	Omar Elmi Mohamed
Jeylani Maio Hassan	Mohamed Hussein Omar
Suleyman Roble Jama	Mohamoud Agag Abokor
Mohamed Abdi Sudi	Nur Barkhadle Fiidow
Yusuf Sheikh Ali	Ahmed Mohamed Jimmile
Mohamed Hassan Elmi	Hassan Ali Garow
Mohamed Abdullahi Ibrahim	Ahmed Maow Mohamed
Mohamed Abdi Shire	Ali Warsame
Ahmed Ismail Yusuf	Abdirahman Adan
Abduirahman Hassan Arale	Adam Jama Diriye
Ibrahim Adan Abdi	Elmi Ibrahim Hussein
Isaq Ali Mudey	Yusuf Mohamed Ahmed
Mohamed Mohamed Isaq	Mohamed Dahiye Nur
Mohamed Nur Hassan	Abdi Mohamed Wehiliye
Abdi Wahaab Abdi	Abdilahe Sheikh Ibrahim
Abdullahi Mohamoud	Ahmed Warsame Wehiliye
Hawa Jama Hirsi	Mohamed Wehiliye
Abdalla Ahmed Igal	Habibo Hassan Ado
Saeed Haji Ereg	Mohmed Hassan Artan
Ahmed Hassan Arab	Mohamed Hassan Geedi
Yusuf Sh. Hussein	Mohamed Egeh Ali
Diriye Mohamoud Ahmed	Osman Jibril Boni
Kulmiye Abdi Roble	Adan Mohamoud Artan
Bulle Shiye Ali	Hussein Abdullahi Raja
Ibrahim Hussein Abdirahman	Abdi Alas Nur
Adan Ali Yusuf	Mohamoud Elmi Frah
Ismail Shikh Adan	Adan Ali Bule
Khalif Warsame Mohamd	Sidow Mohamed Yarow
Osman Hassan Muhtar	

ANNEX 5

INTERNATIONAL STAFF OF SOMALIA SMALLPOX ERADICATION PROGRAMME, 1976-1979

<u>Name</u>	<u>Nationality</u>	<u>Date arrived</u>	<u>Date of departure</u>
Alaghbari, Dr M.K.	N. Yemen	15. 3.77	31.12.79
Andrews, Dr J.S.	USA	16. 1.78	5. 4.78
Arita, Dr I.	Japan	Frequent visits	
Bachman, Dr J.P.	Switzerland	17. 5.77	25. 8.77
Blumenthal, Dr D.S.	USA	9. 7.78	5.10.78
Breman, Dr J. G.	USA	Oct. 1977	Oct. 1977
Carrasco, Mr P.A.	USA	18. 9.77	1. 6.78
Chaudhary, Dr M.R.	Pakistan	24.11.77	30.10.78
Claquin, Dr P.	France	24. 1.78	27. 5.78
Elford, Mr J.	UK	11. 5.77	31. 8.77
Elnaggar, Dr M.N.E.	Egypt	24.10.77 27. 6.79	10. 1.78 31.10.79
Elsid, Mr A.Q.H.	Sudan	8. 3.77	12.10.77
Erben, Dr J.J.	USA	21.11.78	15. 2.79
Evans, Mr D.R.	UK	6.10.77 17. 6.79	30. 8.78 30. 9.79
Fitzgerald, Mr S.A.	USA	4. 4.78	23. 6.78
Foster, Dr S.O.	USA	8. 6.77	31. 8.77
Gaafar, Dr M.T.A.	Egypt	6. 9.78 3. 6.79	25. 2.79 31.10.79
Gosset, Dr I.G.	Mexico	10. 8.77	18.12.77
Graabek, Mr L.	Denmark	19. 2.78	9. 8.78
Hanson, Dr S.	Sweden	27. 7.77	22. 2.78
Hardjotanojo, Dr W.	Indonesia	29. 4.77	31.12.79
Hassan, Dr M.N.	Egypt	14.12.77	12. 3.78
Hasselblad, Mr C.D.	USA	8. 6.77	29.11.77
Hatfield, Mr R.J.	UK	27. 3.77	31.12.79
Heijbel, Dr H.	Sweden	11. 5.77	12. 9.77
Huber, Mr C.W.	USA	8. 6.77 19. 9.78	31. 8.77 6.12.78
Hughes, Dr K.	UK	19. 2.78	9. 8.78
Ibrahim, Mr M.W.	Egypt	4. 4.79	31.12.79
Janout, Dr V.	Czechoslovakia	21. 2.78	28. 5.78
Jezek, Dr Z.	Czechoslovakia	10. 5.77	31.12.79
Johnson, Mr D.A.	USA	1. 4.79	17. 6.79
Jones, Dr T.S.	USA	7. 7.77	4. 9.77
Khattab, Dr R.A.L.	Egypt	17.12.78	31.10.79
Kimmel, Mr T.R.	USA	3.10.78	20.12.78

<u>Name</u>	<u>Nationality</u>	<u>Date arrived</u>	<u>Date of departure</u>
Kopecky, Dr K.	Czechoslovakia	14.12.77	28. 5.78
Kriz, Dr B.	Czechoslovakia	10. 5.77 28. 6.79	8.12.78 31.10.79
Lewis, Mr J.O.	USA	8. 6.77	31.12.79
Lichfield, Mr P.R.	USA	4. 4.78	25. 6.78
McConnon, Mr P.J.	USA	15.11.77	12. 2.78
McPoland, Mr M.L.	UK	13. 8.78	31.12.79
Madjaric, Dr D.	Yugoslavia	13. 8.78	4.10.78
Mahfuz Ali, Dr S.	Pakistan	29. 8.71	31. 8.77
Markvart, Dr K.	Czechoslovakia	13. 9.77 14. 4.79	11.12.77 30. 9.79
Masar, Dr I.	Czechoslovakia	6. 1.79	29. 3.79
Mendis, Dr N.M.P.	Sri Lanka	3. 8.78	14. 9.78
Miller, Mr R.G.	USA	17. 8.77	22. 1.78
Miner, Mr H.G.	USA	11. 5.78	9. 8.78
Mitchell, Mr W.H.	USA	6. 1.79	25. 3.79
Mitter, Dr C.R.	India	13.11.78	10. 5.79
Mohammed, Dr O.S.	Sudan	2. 1.77	17. 3.77
Mourad, Dr A.S.	Egypt	16. 1.77 7. 6.78	5.10.77 8.10.78
Nakhla, Mr E.T.	Egypt	17. 7.77	26. 3.78
Olakowski, Dr T.	Poland	31. 8.77	14.12.77
Oles, Dr A.	Poland	26.11.67	19. 2.68
Rajput, Dr A.S.	Pakistan	4.12.77	16. 3.78
Ramshorst, Dr B. Van	Netherlands	23. 5.77	16.11.77
Rangaraj, Dr A.G.	India	1. 2.79	31.10.79
Reiman, Dr S.	USA	7.10.78	15.12.78
Rousar, Mr F.D.	USA	1. 3.78	31.12.79
Ryst, Dr J.P.	France	1. 4.77 4. 5.78	15. 9.77 6. 8.78
Salehi, Dr M.Y.	Afghanistan	5. 4.77	29. 9.77
Samostrelski, Dr A.	USSR	1. 6.68 3.11.76	1. 6.70 31. 1.77
Santarelli, Mr M.A.	USA	17. 8.77	25.12.77
Schnur, Mr A.H.	USA	29.11.77	24. 5.78
Shafa, Dr E.	Iran	3. 2.77 17. 3.77 19. 4.77 12. 7.77 29. 9.77	17. 2.77 31. 3.77 25. 5.77 26. 7.77 5.10.77
Silveira, Dr C.M.	Brazil	5.12.78	25. 2.79
Singh, Dr K.M.	India	10. 9.78	8. 3.79
Slepushkin, Dr A.N.	USSR	2.10.76	8.11.76

<u>Name</u>	<u>Nationality</u>	<u>Date arrived</u>	<u>Date of departure</u>
Sramek, Dr J.	Czechoslovakia	28.11.78	22. 3.79
Straka, Dr S.	Czechoslovakia	31. 8.77	26. 1.78
Taylor, Mr G.R.A.	UK	15. 1.78	12. 7.78
Verani, Mr J.F.	Brazil	10. 5.77	8. 9.77
Weeks, Mr R.M.	USA	22. 1.78	18. 4.78
Weisfeld, Dr J.S.	USA	8. 6.77	26. 1.78
Whipple, Mr D.	USA	6.10.77	28.12.77
Williams, Mr G.O.	USA	14. 3.79	5. 5.79
Wilson, Mr C.W.	UK	29. 5.77	26. 4.78
Wise, Dr H.S.	USA	3. 2.79	4. 5.79
Younan, Mr Y.	Egypt	18. 3.78	8. 4.79
Zabicki, Dr W.	Poland	4. 7.78	4.10.78
Zikmund, Dr V.	Czechoslovakia	15.10.76	24.12.76
		5. 5.79	31.10.79

ANNEX 6

SMALLPOX CASES DETECTED IN SOMALIA, 1972-1976

Reference Number ^a	Name	Locality (District)	Age	Sex	Rash onset	Date of Detection	Probable source in Ethiopia Locality (Awraja) or Contact
1	Mohamed Noor Shaheed Omar	Allaibadi (Gebile)	28	M	28.10.72	31.10.72	(Kebri Dehar)
2	Abdi Haji Omar Mohamoud	Tugwajale (Gebile)	16	M	3.11.72	10.11.72	(Kebri Dehar)
3	Ismail Hared Omar	Hargeisa	28	M	6.11.72	16.11.72	Hodaeo (Warder)
4	Numio Mohamed Mohamoud	Hargeisa	5	F	8.11.72	14.11.72	(Jijiga)
5	Mohamed Omar Borama	Hargeisa	16	M	9.11.72	11.11.72	Lafa Isa
6	<u>b</u>	Mogadishu	9	F	28. 4.73	29. 4.73	Mustahil (Kelafo)
7	<u>b</u>	<u>b</u>	<u>b</u>	<u>b</u>	May 1973	<u>b</u>	El-Halimo
8	<u>b</u>	<u>b</u>	<u>b</u>	<u>b</u>	May 1973	<u>b</u>	Mustahil (Kelafo)
9	<u>b</u>	Mataban	<u>b</u>	<u>b</u>	May 1973	<u>b</u>	<u>b</u>
10	Mohamed Mohamoud Nuri	Allaibadi (Gebile)	40	M	10. 8.73	10. 8.73	Faafan (Jijiga)
11	<u>b</u>	(Beletweine)	<u>b</u>	<u>b</u>	Oct.1973	<u>b</u>	Bulo Olow (Kelafo)
12)	Mohamed Isak Adan	Sheedley (Dolo)	30	M	29.12.73	2. 1.74	Dii Haar (Bale Region)
13)							
14	Qah Mohamoud Ibrahim	Sheedley (Dolo)	90	M	4. 1.74	4. 1.74	Contact of No.13
15	Hawa Ibrahim Mohamed	Sheedley (Dolo)	18	F	5. 1.74	5. 1.74	Contact of No.13
16	Osman Mohamoud Ibrahim	Sheedley (Dolo)	28	M	5. 1.74	5. 1.74	Contact of No.13
17	Sadiya Mohamoud Ibrahim	Sheedley (Dolo)	13	F	5. 1.74	5. 1.74	Contact of No.13
18	Ibrahim Moalim Abulkadir	Abesaleh (Huddur)	<u>c</u>	M	14. 3.74	20. 3.74	(Kelafo)
19	Abdi Ahmed Ali	Hargeisa	<u>c</u>	M	Mar.1974	Mar.1974	Medar (Hararghe Region)
20	<u>b</u>	(Buraao)	<u>c</u>	F	Apr.1974	Apr.1974	(Hararghe Region)
21	Osman Abdi Arale	(Dinsor)	17	M	4. 9.74	6. 9.74	Fioh (Hararghe Region)
22	Aisha Dini Osoble	Kulbiyow (Badade)	16	F	23. 9.74	25. 9.74	(Kelafo)
23	<u>b</u>	(Jamame)	45	M	8.11.74	19.11.74	Fioh (Hararghe Region)
24	Maryan Hassan Ali	(Buraao)	32	F	Jan.1975	14. 1.75	Qalaw (Warder)
25	Osman Farah Awale	(Buraao)	20	M	Jan.1975	14. 1.75	Contact of No.24
26	Abdulrazaq Farah Awale	(Buraao)	13	M	Jan.1975	14. 1.75	Contact of No.24
27	Laki Jama Abdi	(Buraao)	7	F	Jan.1974	14. 1.75	Contact of No.24
28	Ebado Roble Hassan	(Buraao)	16	F	18. 1.75	18. 1.75	Garlooghay (Warder): Contact of No.24
29	Mohamoud Omar Yusuf	(Yet)	17	M	mid Jan.	23. 1.75	Qaw
30	Ahmed Jama Raqe	Beer Camp (Buraao)	25	M	27. 2.75	27. 2.75	Garlooghay (Warder)
31	Zahra Ali Farah	Gaha (Berbera)	27	F	20. 3.75	20. 3.75	(Warder)
32	Ahmed Muse Nur	Hargeisa	19	M	25. 3.75	27. 3.75	Garlooghay (Warder)
33	Ahmed Musa N. Haji Saleh	Treksi (Buraao)	<u>c</u>	M	26. 5.75	27. 5.75	Garlooghay (Warder)
34	Dahabo Mohamed	Hargeisa	40	F	10. 7.75	26. 7.75	Garlooghay (Warder)
35	Ahmed Hassan Hersi	Hargeisa	7	M	20. 7.75	26. 7.75	Contact of No.34
36	Zeinab Mohamed Ibrahim	<u>b</u>	<u>c</u>	F	30. 7.75	27. 7.75	Contact of No.34
37	Hassan Hersi Ahmed	Hargeisa	53	M	5. 8.75	27. 7.75	Contact of No.34
38	<u>b</u>	Bohodle (Buraao)	<u>c</u>	F	17. 1.76	20. 1.76	(Warder)
39	<u>b</u>	(Wajid)	40	M	21. 1.76	25. 1.76	(El Kere)
40	<u>b</u>	Dafarur (Huddur)	<u>b</u>	<u>b</u>	2. 2.76	13. 2.76	(Kelafo)
41	<u>b</u>	Dafarur (Huddur)	<u>b</u>	<u>b</u>	5. 2.76	13. 2.76	(Kelafo)
42	<u>b</u>	(Huddur)	<u>c</u>	M	20. 2.76	25. 2.76	(Kelafo)

^a Refers to numbers in figures 4.1A - 4.1E in text. b Unknown. c Adult.

ANNEX 7

LINE LISTING OF SMALLPOX PATIENTS IN MOGADISHU OUTBREAK 1976-1977

No.	Name	Age	Sex	Onset rash	Vaccination scar	Laboratory confirmation	Source	Onset - Isolation interval ^a
1	Sadia Hassan Abdulle	16	F	30 Aug.	no	+	<u>c</u>	2
2	Mohamed Jiale Abikar (died)	70	M	5 Sept.	no	+	<u>c</u>	8
3	Abshire Hasan Nur	18	F	12 Sept.	no	+	<u>c</u>	8
4	Faduma Mohamed Ali	30	F	17 Sept.	no	+	<u>c</u>	3
5	Nura Sheikh Yusuf	30	F	23 Sept.	no	+	<u>c</u>	5
6	Elmi Rage Jimale	28	M	1 Oct.	no	+	<u>c</u>	<u>c</u>
7	Fatuma Ismail Ali	33	F	25 Sept.	no	+	No.3	21
8	Asbshir Abukar Osman	11	F	6 Oct.	no	+	No.7	9
9	Hasan Abubaker Osman	9	M	6 Oct.	no	+	No.7	9
10	Asha Abubaker Osman	6	F	12 Oct.	no	+	No.7	3
11	Zahra Hassan Hiraway	15	F	6 Oct.	no	+	No.7	9
12	Adan Hassan Ismail	16	M	10 Oct.	no	+	<u>c</u>	5
13	Hassan Moalin Omar	25	M	8 Oct.	no	+	No.7	8
14	Mariam Mohamed Elmi	30	F	16 Oct.	no	+	<u>c</u>	4
15	Fatuma Omar Mohamed	19	F	8 Oct.	no	+	No.5	17
16	Maymona Ahmed Rage	13	F	22 Oct.	no	+	No.15	3
17	Ali Afrah Hilolay	20	M	21 Oct.	no	+	No.12	4
18	Hawa Adan Hussein	18	F	17 Oct.	no	+	No.13	8
19	Habiba Roble Hassan	20	F	25 Oct.	no	+	No.15	9
20	Olad Haji Yusuf	25	M	29 Oct.	<u>c</u>	+	<u>c</u>	5
21	Maryan Ali Gureh	20	F	4 Nov.	17 Oct.	+	No.19	5
22	Hassan Jilicow Jisow	40	M	12 Oct.	no	+	<u>c</u>	5
23	Fatuma Ali Nur	39	F	9 Nov.	5 Nov.	+	No.19	6
24	Hassan Bore Afrah	20	M	12 Nov.	10 Nov.	+	No.20	5
25	Mohamoud Moh'd Omar	14	M	13 Nov.	7 Nov.	+	No.20	4
26	Ahmed Abdi Ahmed	2m	M	12 Nov.	no	+	<u>c</u>	2
27	Halimo Abikar Ali	9	F	11 Nov.	no	+	No.20	3
28	Omar Mohamud Adan	20	M	19 Nov.	no	+	No.23	6
29	Son of Maryam Ali Gure	1m	M	18 Nov.	8 Nov.	+	No.21	1
30	Sadig Abdi Mohamoud	3	M	26 Nov.	no	+	No.23	6
31	Abdilrahman Isak Husein	20	M	10 Dec.	no	+	No.30	<u>b</u>
32	Medina Mohamed Kul.	26	F	20 Dec.	<u>b</u>	+	No.31	<u>b</u>
33	Aday Mohamed Rehmsu	25	F	12 Dec.	<u>b</u>	+	No.30	<u>b</u>
34	Medina Abdirahman	30	F	3 Jan.	<u>b</u>	+	No.33	<u>b</u>
35	Mohamed Nur Adow	28	M	27 Dec.	<u>b</u>	+	No.31	<u>b</u>
36	Maymona Bare Ahmed	14	F	6 Jan.	<u>b</u>	+	<u>c</u>	<u>b</u>
37	Hassan Mohamed Nur	7	M	17 Jan.	<u>b</u>	+	No.35	<u>b</u>
38	Ahmed Mohamed Nur	5	M	17 Jan.	<u>b</u>	+	No.35	<u>b</u>
39	Hussein Mohamud Moh'd	41	M	13 Jan.	<u>b</u>	+	<u>c</u>	<u>b</u>

^a Patients were moved immediately after detection. This interval refers to days the patient stayed at home with rash before being moved into isolation.

^b Information not available.

^c Not traced.

ANNEX 8

SMALLPOX OUTBREAKS BY WEEK OF REPORT AND DISTRICT, SOMALIA 1977

Area	Month Week	March					April					May					June					July				
		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
BAKOOL				1				1		2			14	4	14	12	-	13	28	23	17	10	7	4		
El Barde																1	-									
Huddur			1											2	2	-	6	5	5		1	1				
Teyeglow						1		2			14	4	5	3	-	4	9	10	9	6	3	3	3			
Wajid													7	5	-	2	14	8	8	3	3	3	1			
Yet														1	-	1										
BAY					1	8	6	8	3	13	9	25	19	42	29	68	51	70	33	62	28	26				
Baidoa				1	8	6	7	3	9	8	14	11	28	11	43	34	49	28	24	11	18					
Burakaba											6	3	1	15	8	7	9	5	4	2	2					
Dinsor								1	4	1	2			2	5	5	6	-	6	4	1					
Kansadere											3	5	13	1	12	5	6	-	28	11	5					
GALGADUD								1					2													
Abudwak								1																		
El Bur													2													
GEDO												1	-	1	1	13	6	6	1	3	7	3				
Bardere																8	6		1	2	1	1				
Bulohawa													1													
El Wak																										
Garbahare																				1	3	1				
Luk											1			1	5		6			3	1					
HIRAN								3	3	2	3	3	1			1				1						
Bulo Burti								3	3	2	2	3	1			1				1						
Jalalaksi											1															
L. JUBA									1				2													
Jamame														2												
Kismayo									1																	
M. JUBA								1	2	2		1	2		1	1	1					1				
Boale																										
Gelib									1	2	2		1	2		1		1								
Sako																1										
MOGADISHU					1				1		1				1							1				
L. SHABELLI							1	3	4	1	3	8	7	-	21	9	2	5	1		1					
Afgoi								1		1	1	1	-	11	6	1	2									
Koryole								2	2			1	-	1	1											
Kurtunwarey																										
Merca							1		2		2	6	6	-	4	1	1	2	1							
Wanlawein															5	1		1			1					
M. SHABELLI							1	3	4	1	15	5	12	10	3	1	2	2	1	1	4	2				
Adala											1	1														
Adenyabal											1															
Balad								1		1	1	1	2		1						2	1				
Jowhar							1	2	4		12	3	10	10	2	1	2	2	1	1	2	2				
TOGDHEER																										
Burao																										
SOMALIA TOTAL		0	0	1	0	2	11	15	25	9	37	41	51	47	80	41	99	93	102	52	82	45				

ANNEX 8

SMALLPOX OUTBREAKS BY WEEK OF REPORT AND DISTRICT, SOMALIA 1977

August			September				October				November				Total Outbreaks	Month Week	Area		
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45				46	47
3		1	1															155	BAKOOL
				1														1	El Barde
3		1																24	Huddur
																		77	Teyeglow
																		51	Wajid
																		2	Yet
10	8	7	9	5	2	2		1										545	BAY
4	2	1	1					1										322	Baidoa
1		2	5	4	1	2												77	Burakaba
1																		38	Dinsor
4	6	4	3	1	1													108	Kansadere
																		3	GALGADUD
																		1	Abudwak
																		2	El Bur
		1					5		1	1	1							51	GEDO
								5		1	1	1						27	Bardere
																		1	Bulohawa
		1																1	El Wak
																		5	Garbahare
																		17	Luk
			1															18	HIRAN
				1														17	Bulo Burti
																		1	Jalalaksi
																		3	L. JUBA
																		2	Jamame
																		1	Kismayo
							1											13	M. JUBA
								1										2	Boale
																		10	Gelib
																		1	Sako
																		5	MOGADISHU
1		1	2		2	1	1	2		2	2							80	L. SHABELLI
												2	1	1				25	Afgoi
												1						11	Koryole
												1						1	Kurtunwarey
1		1	2		2		1						1					34	Merca
							1											9	Wanlawein
1	1	1		1														73	M. SHABELLI
																		2	Adala
																		1	Adenyabal
1	1	1		1														10	Balad
																		60	Jowhar
1																		1	TOGDHEER
1																		1	Burao
16	9	11	13	6	4	4	6	3	0	3	0	3	1	0	0	0	0	947	SOMALIA TOTAL

ANNEX 9

SMALLPOX CASES BY WEEK OF REPORT AND DISTRICT, SOMALIA 1977

Area	Month Week	March					April					May					June					July				
		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
BAKOOL				2				5		7		35	6	75	30	-	24	140	52	76	17	22	7			
El Barde															2	-										
Huddur			2					1						5	8	-	10	18	14	-	3	1				
Teyeglow							4		7		35	6	26	9	-	10	60	24	22	10	15	5				
Wajid														44	10	-	3	62	14	54	4	6	2			
Yet															1	-	1									
BAY					1	10	6	12	16	35	34	63	57	111	124	220	167	214	95	179	65	71				
Baidoa					1	10	6	10	15	24	27	36	28	86	41	148	101	142	69	48	22	48				
Burakaba												14	15	4	76	33	43	50	26	27	8	11				
Dinsor							2	1	11	7	2	0	3	4	11	18	14	14	-	15	13	1				
Kansadere												11	14	18	3	28	5	8	-	89	22	11				
GALGADUD									3		2															
Abudwak									3																	
El Bur											2															
GEDO											3		2	5	60	35	8	22	21	23	4					
Bardere																52	35	-	15	10	1	1				
Bulohawa												2														
El Wak																										
Garbahare																				7	17	2				
Luk											3			5	8		8	7	4	5	1					
HIRAN						10	33	8	11	10	7	2	1	1	2	1			8	1	1					
Bulo Burti						10	33	5	9	9	7	2	1	1	1	1			8	1	1					
Jalalaksi								3	2	1					1											
L. JUBA							1				2	3														
Jamame											2	3														
Kismayo							1																			
M. JUBA							19	11	5	8	3	7	2		1	1					3					
Bcale																										
Gelib								19	11	5	8	3	7	2			1									
Sako																1					3					
MOGADISHU						1	1	1				1							1							
L. SHABELLI							4	11	14	37	11	-	59	21	2	9	1		1							
Afgoi								1	7	2	1	-	32	14	1	3										
Koryole							2	3		4		-	1	1												
Kurtunwarey																										
Merca							2	7	7	31	10	-	10	1	1	4	1									
Wanlawein													16	5		2			1							
M. SHABELLI						1	7	7	3	47	31	72	48	34	16	7	19	6	3	25	19	8				
Adala										3	1		1			1										
Adenyabal										1	7		1													
Balad								4	2	1	7	14		3	1				13	11	4					
Jowhar						1	7	3	1	42	16	58	46	31	15	6	19	6	3	12	8	4				
TOGDHEER																										
Burao																										
SOMALIA TOTAL			2		1	17	27	20	93	116	155	173	192	249	169	314	373	283	196	252	133	91				

- No report

ANNEX 9

SMALLPOX CASES BY WEEK OF REPORT AND DISTRICT, SOMALIA 1977

August					September					October					November					Total Cases	Month Week	Area
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48					
6	1	7	5		1													518	BAKOOL			
																		2	El Barde			
6	1	2	3		1													65	Huddur			
		5	2															245	Teyeglow			
																		204	Wajid			
																		2	Yet			
27	19	30	43	10	20	6	1	7	3										1 646	BAY		
12	12	2	1	1				7	3										900	Baidoa		
4	1	13	29	7	18	6													385	Burakaba		
1		7																	110	Dinsor		
10	6	8	13	2	2		1												251	Kansadere		
																			5	GALGADUD		
																			3	Abudwak		
																			2	El Bur		
3	2	9	1	6		12				7	2	1	2						228	GEDO		
2	2	5	1			12				7	2	1	2						148	Bardere		
																			2	Bulohawa		
			4	6															10	El Wak		
																			26	Garbahare		
1																			42	Luk		
				1															97	HIRAN		
				1															90	Bulo Burti		
																			7	Jalalaksi		
																			6	L. JUBA		
																			5	Jamame		
																			1	Kismayo		
3					17	4	1	3										88	M. JUBA			
3					17	4	1	3										31	Boale			
																			56	Gelib		
																			1	Sako		
																			10*	MOGADISHU		
2		7	15	13	23	9	1	16	6	1	4	1						268	L. SHABELLI			
								16	1	1	3	1						61	Afgoi			
									5									33	Koryole			
																		5	Kurt unwarey			
2		7	15	13	23	6	1				1						142	Merca				
						3												27	Wanlawein			
4	1	2		2														362	M. SHABELLI			
																		6	Adala			
1		1																9	Adenyabal			
3	1	1		2														62	Balad			
																		285	Jowhar			
1																		1	TOGDHEER			
1																		1	Burao			
46	23	55	65	31	44	32	18	24	13	8	1	5	3	0	0	0	0	3 229	SOMALIA TOTAL			

* Mogadishu 5 cases in January

ANNEX 10

LAST SMALLPOX OUTBREAK IN EACH AFFECTED DISTRICT, SOMALIA - 1977

National Reference Number	Region	District	Locality	Population	Cases	Onset of Rash		Detected	Source of infection	Week closed
						First case	Last case			
318	Bakool	El Barde	Aba Saleh	300	3	1.5	14.5	15.5	Teyeglow	29
918	Bakool	Huddur	Beer Gudey	30	3	6.8	25.8	15.8	Gubile	38
903	Bakool	Teyeglow	Fayfay	50	3	15.7	22.8	14.8	^a	38
866	Bakool	Wajid	Berber	60	1	20.7	20.7	21.7	^a	35
364	Bakool	Yet	Farburaley	60	1	16.5	16.5	10.6	Burdhodie	26
939	Bay	Baidoa	Erinta	120	10	13.9	5.10	26.9	Kurtunwarey	47
931	Bay	Burakaba	Dunduphay	75	3	20.8	9.9	9.9	Jamacada	42
885	Bay	Dinsor	Warilow	2	2	1.8	15.8	4.8	^a	39
923	Bay	Kansadere	Bulostosi	32	2	26.8	29.8	28.8	B. Gomer	42
33	Galgadud	Abudwak	Belebelle	1 300	3	10.2	28.3	21.4	Mogadishu	20
128	Galgadud	El Bur	Galhareri	500	1	1.5	1.5	4.5	Afgoi	23
945	Gedo	Bardere	Gumurta	40	1	8.10	18.10	18.10	Dinsor	52
264	Gedo	Bulohawa	Bulohawa	6 000	2	2.5	17.5	21.5	chickenpox ^b	23
905	Gedo	El Wak	Bam. Halima	40	10	25.7	25.8	20.8	Garbahar	42
868	Gedo	Garba Harey	Korfadud	20	1	25.7	25.7	25.7	Shabelli	36
869	Gedo	Luk	El Waran	50	2	26.7	31.7	26.7	Guday	36
906	Hiran	Bulo Burti	Dabadere	50	1	6.8	6.8	11.8	Shirahale	27
88	Hiran	Jalalaksi	Jalalaksi	5 000	7	5.4	20.6	26.4	^a	24
237	L. Juba	Jamame	Kyambulu	200	4	1.3	31.5	25.5	^a	29
59	L. Juba	Kismayo	Kismayo	40 000	1	1.4	1.4	19.4	Mogadishu	22
930	M. Juba	Boale	Aden Gureed	280	25	16.7	23.9	12.9	Bardale	47
599	M. Juba	Gelib	Bula Nasib	200	1	23.6	23.6	24.6	Farah	31
463	M. Juba	Sako	Bula Sablow	8	1	3.6	3.6	19.6	Dinsor	31
320	Mogadishu	Mogadishu	Yaasin	450 000	1	1.6	1.6	4.6	Bula Dher	27
465	L. Shabelli	Afgoi	Galalay	30	1	7.6	7.6	17.6	Falalay	26
946	L. Shabelli	Koryole	Dugulle	80	3	20.9	18.10	23.10	Kurtunwarey	48
942	L. Shabelli	Kurtunwarey	Kurtunwarey	25	5	15.8	10.10	13.10	Koryole	47
947	L. Shabelli	Merca	Merca town	40 000	1	26.10	26.10	31.10	Kurtunwarey	52
929	L. Shabelli	Wanlewein	Hawal Shere	20	3	25.8	30.8	9.9	Galele	42
121	M. Shabelli	Adala	Godwher	100	1	4.5	4.5	9.5	^a	26
51	M. Shabelli	Adenyabal	Adenyabal	500	13	14.4	6.5	27.4	^a	25
834	M. Shabelli	Balad	Damaley	200	2	2.7	18.7	19.7	^a	35
895	M. Shabelli	Jowhar	Aras Benat	200	3	27.7	22.8	15.8	War Musole	39
875	Togdheer	Burao	Burao	600	1	26.7	26.7	30.7	Bio Aade	35

^a Not recorded.^b Not recorded as final diagnosis chickenpox.

ANNEXES 11 - 15: SEARCH FORMS

- ANNEX 11: FORM SOM 1 - SEARCH SCHEDULE
- ANNEX 12: FORM SOM 2 - SEARCH REPORT
- ANNEX 13: FORM SOM 3 - DISTRICT SEARCH SUMMARY
- ANNEX 14: FORM SOM 4 - ASSESSMENT FORM
- ANNEX 15: FORM SOM 5 - REGIONAL MONTHLY SUMMARY

ANNEX 11

MASHRUUCA CIRIBTIRKA FURUQA SMALLPOX ERADICATION PROGRAMME
 SOOMAALIYA SOMALIA
BAARINTA FURUQA SEARCH SCHEDULE SOM 1

Beel: Zone Sector:		Degmo: District:		Gobol: Region:	
Magaca Kormeeraha: Name of Supervisor:				Taariikh: Date:	
Tiro taxan Serial No.	Magaca meesha Name of village Hamlet/Locality Urban area	Taariikhda la baaray Date to be searched		Magaca Baafiyaha Name of Searcher	

Copy to: Supervisor
 District Team Leader

Og: Kormeeraha
 Madaxa Kooxda Degmada

(FRONT) MASHRUUCA CIRIBTIRKA FURUQA SOOMAALIYA
FOOMKA BAARIDA

SMALLPOX ERADICATION PROGRAMME SOMALIA
SEARCH REPORT SOM 2

Magaca baaraha: Name of searcher:		Meesha: Zone:		Degmada: District:		Gobolka: Region:	
Taar. Date	Magaca meesha (Tuulo, reer miyi, magaalo) (name of locality village, nomadic group, town).	Inta guri la baaray - No. of houses searched		Inta dugsi la baaray Schools searched	Magaca warta la baaray - Water place names	Inta tuhun la helay No. of rumours collected	Inta talaal la qabtay - No. of vaccinations performed
		Ma gurto Permanent houses	A gal miyi Nomadic huts				
							Saxiixa madaxa Tuulada - Village Headman signature

Qofkii finan iyo qandho leh tafaasiishiisa foomkan ku qor: List below any fever with rash cases detected:

Taar. Date	Magaca tuulada Name of village	Magaca bukaanka Name of patient	Da'	L/Dh.	Taariikhda finanku ka soo baxeen	Talaal hore haa/ maya - previous vacc. yes/no	Nooca jirada Diagnosis	Caddeyn Verification remarks

Halkan ku qor magacyada meelaha la baaray: List names of visited and searched:

Meelaha caafimaadka/Health Establishment	Xafiisyada maamulka - Golayaasha Hanuuninta/ Administrative Offices - Orientation Centres
Sayladaha/Markets	Baararka - Hudheelada/Teashops - Restaurants

(BACK)

ANNEX 16

SUMMARY OF FIXED SEARCH UNITS - SOMALIA 1979

REGIONS Districts	Zones	Fixed search units	Permanent houses	State schools	Koranic schools	Tea shops	Restaurants	Health establish- ments	Public offices	Recognized waterpoints	Markets	Recognized nomadic areas
BAKOOL	22	312	12 858	36	166	101	62	11	19	2 208	22	1 221
El Barde	3	4	421	3	3	3	7	2	3	131	7	136
Huddur	6	169	6 006	15	98	69	4	2	8	58	8	335
Teyeglow	6	96	2 742	8	35	13	11	3	3	1 943	4	692
Wajid	4	39	1 825	7	23	16	16	2	3	47	4	33
Yet	3	4	1 864	3	7	0	24	2	2	29	4	25
BARI	27	88	12 516	52	57	454	776	22	143	576	31	2 218
Alula	5	20	1 615	6	8	39	45	5	20	42	6	140
Bender Beile	4	3	895	2	4	20	17	2	11	50	2	370
Bosaso	4	17	5 115	13	13	132	344	6	37	108	8	320
Kandala	4	16	1 865	6	9	48	63	1	15	133	2	665
Kardo	5	20	1 612	12	11	147	194	2	41	128	7	493
Iskushopan	5	12	1 414	13	12	68	113	6	19	115	6	230
BAY	66	1 837	63 529	83	1 120	735	372	27	102	1 540	62	a
Baidoa	27	964	31 963	41	534	444	234	14	27	649	17	a
Burakaba	25	514	20 962	24	306	185	4	5	44	376	8	a
Dinsor	10	154	5 113	12	118	86	89	3	10	253	18	a
Kansadere	4	205	5 491	6	162	20	45	5	21	262	19	225
GALBEED	38	224	51 155	84	96	781	675	19	186	89	32	a
Berbera	6	13	1 267	6	7	76	9	1	8	13	2	111
Borama	6	45	4 363	19	18	113	10	3	8	26	6	305
Gebile	6	45	3 242	25	13	166	625	6	30	26	7	285
Hargeisa	8	95	41 000	23	48	302	25	4	121	1	12	a
Lughaya	6	10	411	6	3	39	2	1	6	8	1	102
Seyla	6	16	872	5	7	85	4	4	13	15	4	154
GALGADUD	20	57	8 973	24	169	323	1	10	44	122	40	a
Addado	4	7	548	4	24	62	0	2	20	16	0	a
Abudwak	4	10	3 044	3	41	58	0	3	3	20	11	a
El Bur	4	13	1 572	9	53	114	0	2	9	26	14	a
El Dere	4	10	1 286	5	15	56	0	2	7	14	5	a
Dusamareb	4	17	2 523	3	36	33	1	1	5	46	10	a
GEDO	28	251	19 612	40	304	444	a	15	42	241	19	17
Bardere	5	182	9 291	16	141	72	3	3	8	63	1	1
Bulo Hawa	4	8	1 233	5	14	67	35	1	1	7	5	1
Dolo	3	18	881	2	7	76	33	2	1	9	1	2
El Wak	5	5	367	4	5	64	7	1	12	26	2	4
Garbahare	5	15	1 127	7	15	49	16	3	11	15	2	6
Luk	6	23	6 713	6	122	116	a	5	9	121	8	3
HIRAN	20	172	12 803	59	125	407	359	25	28	252	37	a
Beletweine	7	77	6 998	32	59	218	163	13	11	89	20	a
Bulo Burti	7	47	3 191	17	51	115	122	6	6	73	9	10
Jalalaksi	6	48	2 614	10	15	74	74	6	11	90	8	a
L. JUBA	30	207	22 911	60	452	931	472	28	90	196	42	a
Afmadu	8	11	1 193	4	86	128	36	4	11	41	4	10
Badade	7	16	2 164	7	91	90	31	6	23	52	5	28
Jamame	8	132	12 380	32	133	279	91	8	39	62	20	a
Kismayo	7	48	7 174	17	142	434	314	10	17	41	13	13
M. JUBA	19	271	29 180	66	284	a	142	21	104	273	44	a
Boale	6	42	3 202	14	33	32	22	2	32	9	6	a
Dugluma	1	3	6 542	4	90	a	1	8	6	4	2	a
Gelib	4	100	14 040	35	87	189	78	8	49	107	25	a
Sako	8	126	5 396	13	74	73	41	3	17	153	11	a
BANADIR	172	54 181	47	990	2 439	1 286	21	72	13	39	3	
Mogadishu												
MUDUG	20	64	7 809	29	80	574	567	19	115	751	38	a
Galkayo	7	28	5 824	15	40	384	270	9	55	469	17	a
Goldogob			included in Galkayo									
Harardere	4	12	440	5	15	49	66	2	5	24	8	94
Hobyo	4	13	809	4	17	56	131	5	32	121	9	a
Jariban	5	11	736	5	8	85	100	3	23	137	4	a
NUGAL	19	40	13 127	29	40	445	a	18	120	822	26	a
Eil	4	6	1 942	6	6	99	a	6	28	45	6	a
Garoe	4	10	5 364	8	18	74	133	4	55	168	6	a
Las Anod	7	18	5 453	12	10	231	a	6	28	592	10	a
Taleh	4	6	368	3	6	41	a	2	9	17	4	a
SANNAG	14	57	7 873	40	45	247	a	10	71	132	31	a
Badhan	4	17	3 240	14	14	89	a	5	8	31	27	a
El Afwein	5	19	1 522	8	7	70	1	2	2	67	1	a
Erigabo	5	21	3 111	18	24	88	7	3	61	34	3	a
L. SHABELLI	63	978	89 185	190	760	574	188	80	236	641	94	291
Afgoi	13	246	17 910	47	192	63	12	14	42	169	24	26
Brava	10	74	8 211	16	109	58	6	24	26	63	9	53
Koryole	10	70	21 327	27	105	115	6	19	36	17	20	27
Kurtunware	4	31	9 216	6	35	12	3	8	12	6	5	18
Merca	12	223	19 000	80	182	233	152	13	64	148	28	67
Sablale			included in Brava									
Wanlewein	14	334	13 521	14	137	93	9	2	56	238	8	100
M. SHABELLI	30	437	35 493	71	437	970	a	37	83	550	18	676
Adala	3	13	2 097	8	36	186	a	4	21	24	4	112
Adenyabal	5	15	674	5	21	155	a	3	8	11	4	161
Balad	6	67	6 199	22	120	265	a	11	26	88	5	170
Jowhar	16	342	26 543	36	260	364	a	19	28	427	5	233
TOGDHEER	23	140	15 197	52	144	618	280	12	26	4 984	14	a
Bohodle	6	21	2 588	11	13	88	30	3	4	1 462	3	a
Burao	9	71	9 235	25	53	244	102	5	10	1 820	5	a
Odweine	4	31	2 192	7	40	204	120	3	8	1 534	3	a
Sheikh	4	17	1 182	9	38	82	28	1	4	168	3	a

a Not recorded.

CONTAINMENT INSTRUCTIONS

INSTRUCTIONS FOR SMALLPOX CONTAINMENT FOR SMALLPOX OR SUSPECT SMALLPOX

A. ISOLATION

1. Isolate patient in separate house or hut in or near village (isolation unit).
2. Isolation shall be separated from other houses by "Hawo" which will be closed at all times.
3. "Hawo" shall be large enough to include latrine area.
4. No-one shall be allowed in "isolation unit" except patients' mothers (vaccinated) of infected children, and isolation guard.
5. Two isolation guards shall be appointed to each unit. Unit guards will be vaccinated and trained to:
 - keep patients in unit
 - keep visitors out
 - carry food, water, wood and fire into isolation unit
 - keep "Hawo" closed at all times
 - five shillings per day will be paid for food for each patient in isolation. Final payment will only be made at end of isolation.

B. INITIAL VACCINATION OF AFFECTED VILLAGE

1. Two vaccinations minimum will be assigned to village.
2. All houses within 1/2 km area will be numbered, or
3. For each house all residents, including absentees and visitors, will be listed on "Form 6", or in an exercise book including the following columns:
 - house number
 - name
 - age
 - date of vaccination
 - date of take (successful vaccination)
 - date of fever
 - remarks.

(if exercise book used, suggest separate page for each house to allow listing of visitors)
4. All residents and visitors present should be vaccinated within 24 hours. One night house by house, person to person check between midnight and 6 a.m. is recommended to be carried out. Assistance of village headman or higher administrative official is important.

C. DAILY CHECK OF "1/2 KM" AREA

1. Check each house for new cases. If new cases are found, isolate in isolation unit.
2. Identify any unvaccinated - list and vaccinate.
3. Daily checking will continue each morning until outbreak is officially closed.

D. SEARCH AND VACCINATION OF SURROUNDING AREA

1. Prepare sketch map of all villages and nomadic groups in 10 km area in each direction.
2. At least once weekly each group of houses should be checked for smallpox per schedule developed by supervisor.
3. For each village or group of huts:
 - house should be numbered
 - list all residents and visitors including absentees
 - all should be vaccinated
 - vaccinator should spend at least one night in each group of houses to do night vaccination.

E. RESPONSIBILITIES OF SUPERVISOR

1. Supervisor should spend one night in each affected village to certify completeness of initial vaccination.
2. Village should be checked every 3-4 days to check on:
 - completeness of line listing
 - vaccination technique in using new vial each day, mixing of vaccine, vaccination technique and needle sterilization.
3. Completeness of vaccination coverage and successful takes.
4. Effectiveness of isolation in: providing food and water, keeping patients in, keeping visitors out and keeping Hawo closed.
5. Check on progress of search and vaccination of 10 km area including check of one village.

Line list of affected village should be kept in the affected village until outbreak is closed.

ANNEX 21
SMALLPOX ERADICATION PROGRAMME - SOMALIA
INVESTIGATION OF SMALLPOX SUSPECT - OR DEATH ASSOCIATED WITH RASH

INFORMATION OBTAINED BY	Name: _____ Designation: _____ Date: _____ Address: _____
PERSON UNDER INVESTIGATION	Name: _____ Father's name: _____ Address: _____ Locality: _____ Zone: _____ District: _____ Region: _____ Sex _____ Age _____ Occupation: _____
VACC. STATUS	Vaccination scar present: Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Vaccination history: Positive <input type="checkbox"/> Neg <input type="checkbox"/> Unknown <input type="checkbox"/> Year of the latest vaccination (if possible date): _____ Facial Pockmarks: Yes: _____ No: _____ Discoloration only: _____ If yes: - how many on face: _____ - year, month when attached _____ - locality where attached _____ (state region, district)
CLINICAL OBSERVATIONS	Date of onset of fever _____ Date of onset of rash _____ Rash: Character: _____ Distribution: _____ Evolution: _____ Drugs (used before rash occurred): _____ Locality of disease onset (if differs from given address) _____ Outcome: Recovered: <input type="checkbox"/> Died: <input type="checkbox"/> If "died" give date: _____ Locality: _____ Clinical diagnosis: Smallpox: Yes _____ No _____ other: _____ Specify: _____
SPECIMEN	Specimen collected by: Name: _____ Designation: _____ Specimen taken: Person under investigation Yes <input type="checkbox"/> No <input type="checkbox"/> If yes date: _____ His close contacts Yes <input type="checkbox"/> No <input type="checkbox"/> If yes date: _____ Result of Laboratory testing: _____
EPIDEMIOLOGICAL INVESTIGATION	<u>FINDINGS AND OBSERVATIONS</u> : (put only summary; for details use reverse side). AFFECTED HOUSEHOLD: _____ NEIGHBOURING HOUSEHOLDS: _____ REMAINING LOCALITY: _____ CONTACT WITH DISEASED ANIMALS: _____ In affected locality: Population: _____ How many more cases: _____ Total households: _____ No of affected households: _____ SUMMARY OF EPIDEMIOLOGICAL ASSESSMENT: _____
Date:	Name of investigator: _____ Signature: _____

KEEP ONE COPY IN REGIONAL OFFICE: SEND THE SECOND ONE TO ZEROPOX Mogadishu.

ANNEX 22

LIST OF PARTICIPANTS IN THE ACTIVITIES OF
THE INTERNATIONAL COMMISSION FOR THE CERTIFICATION OF SMALLPOX ERADICATION
1-20 OCTOBER 1979

Members of the International Commission

Dr J. Aashi	Assistant Director-General Preventive Medicine Ministry of Health Riyad, Saudi Arabia
Dr Z. M. Dlamini	Director of Medical Services Ministry of Health Mbabane, Swaziland
Dr T. Geffen	Director, Communicable Diseases Division Department of Health and Social Security London, England
Dr H. Lundbeck	Director The National Bacteriological Laboratory Stockholm, Sweden
Dr J. D. Millar	Assistant Director for Public Health Practice Centers for Disease Control Atlanta, Georgia, United States of America
Dr P. N. Shrestha	Chief, Planning Division Institute of Medicine Maharajgunja Kathmandu, Nepal

National Programme Staff

Dr Abdullahi Deria	Programme Manager
Mr Mohamoud Ahmed Gure	Director of the Programme
Mr Abdulkadir Sheikh Hassan	Sanaag Regional Epidemiologist
Mr Ali Abdi Farah	Mogadishu Regional Epidemiologist
Mr Ahmed Abdi Beira	Bay Regional Epidemiologist
Mr Abukar Mohamed Ahmed	Middle Shabelli Regional Epidemiologist
Mr Bashir Ali Roble	Bari Regional Epidemiologist
Mr Hassan Alasow Nur	Gedo Regional Epidemiologist
Mr Ismail Osman Awad	Hiran Regional Epidemiologist
Mr Mohamed Hassan Abdulle	Middle Juba Regional Epidemiologist
Mr Mohamed Abdi Aden	Togdheer Regional Epidemiologist
Mr Mohamed Farah Aden	Bakool Regional Epidemiologist
Mr Mohamed Yusuf Aden	Galgadud Regional Epidemiologist
Mr Mohamed Aden Abdulle	West Galbeed Regional Epidemiologist
Mr Mohamoud Ali Jama	Lower Juba Regional Epidemiologist
Mr Mohamoud Shire Mohamed	Nugal Regional Epidemiologist
Mr Mohamed Alaale Gahayr	Mudug Regional Epidemiologist
Mr Dini Shire Jama	Lower Shabelli Regional Epidemiologist
Mr Abdullahi Abdi Hassan	Togdheer Regional Team Leader
Mr Farah Jirdeh Abdullahi	West Galbeed Regional Team Leader
Mr Mohamed Salah Ibrahim	Gedo Regional Team Leader

WHO Staff

Dr M. K. Alaghbari	WHO Coordinator
Dr I. Arita	Chief, Smallpox Eradication Unit, WHO, Geneva
Dr M. T. A. Gaafar	Epidemiologist
Dr W. Hardjotanojo	Epidemiologist
Mr R. J. Hatfield	Administrative Officer
Mr M. W. Ibrahim	Finance Officer
Dr Z. Jezek	Project Coordinator
Dr B. Kriz	Epidemiologist
Dr R. A. L. Khattab	Epidemiologist
Mr M. L. McPoland	Maintenance Adviser
Dr M. El Naggar	Epidemiologist
Dr F. Partow	Director, Communicable Disease Control, Regional Office for the Eastern Mediterranean
Dr A. G. Rangaraj	Epidemiologist
Mr F. Rousar	Transport and Supply Officer
Dr V. Zikmund	Epidemiologist

ANNEX 23

ASSIGNMENT OF THE INTERNATIONAL COMMISSION TEAMS TO REGIONS

Team No.	Regions	Commission members	National/WHO staff
1	Lower Shabelli Bay Mogadishu	Dr Lundbeck	Dr Rangaraj, Mr Dini Shire Jama Dr Kriz, Mr Ahmed Abdi Beira Dr Hardjotanojo, Mr Ali Abdi Farah
2	Lower Juba Middle Juba	Dr Aashi	Dr Gaafar, Mr Mohamoud Ali Jama Dr Gaafar, Mr Mohamed Hassan Abdulle
3	Bakool Gedo	Dr Millar	Dr Khattab, Mr Mohamed Farah Aden Dr El Naggar, Mr Hassan Alasow Nur
4	Calgadud Hiran Middle Shabelli	Dr Dlamini	Dr Jezek, Mr Mohamed Yusuf Aden Dr Jezek, Mr Ismail Osman Awad Dr Jezek, Mr Abukar Mohamed Ahmed
5	Bari Mudug Sanaag	Dr Shrestha	Mr Mohamoud Ahmed Gure, Mr Bashir Ali Roble Mr Mohamoud Ahmed Gure, Mr Mohamed Alaale Gahayr Mr Mohamoud Ahmed Gure, Mr Abdulkadir Sheikh Hassan
6	Galbeed Nugal Togdheer	Dr Geffen	Dr Zikmund, Mr Mohamed Aden Abdulle Dr Zikmund, Mr Mohamoud Shire Mohamed Dr Zikmund, Mr Mohamed Abdi Aden