

signals could be combined to provide an automatic hover over a survivor; and that production ELF systems be procured immediately for heavy-lift (HHI-53 and HH-3) helicopters.⁹⁶

(U) SEA Developments. At the time of the Hill-Howard tests, three hand-made prototype ELF sets existed. One of these was used in the test program, and the other two had been sent to SEA for evaluation in a combat environment there. Thus NAC and ARRS were well ahead of the program's recommendation at the end of 1971.⁹⁷

(U) On 1 and 2 June 1972, one of the sets in SEA was credited with locating a survivor who had been downed for some 23 days only eight miles away from a MiG base at Yen Bai, North Vietnam. As a result of this pinpointing of his position, the man was picked up in daylight by an ELF-equipped HHI-53 flown by Capt David L. Stovall, then a pilot with the 40 ARRSq at Nakhon Phanom who was also ELF Project Officer.*⁹⁸

(U) At the end of June 1972, eight ELF sets were being procured from the Cubic Corp. for use in SEA LNRS aircraft.⁹⁹

96. *Ibid.*

97. Intvws, ARRS historian with Maj J.L. Butera, Mission Div, DCS/Ops, and Capt D.L. Stovall, Comd & Control Dir, DCS/Ops, Hq ARRS, 21 Mar 73. UNCLASSIFIED.

* In August 1972, another rescue--also in daylight but this time in bad weather--was made by an ELF-equipped HHI-53 which, unable to use its own inoperative hoist, escorted another helicopter through clouds to the precise location of a downed airman deep in hostile territory.

98. Stovall intvw cited above.

99. Intvw, ARRS historian with Lt Col J.E. Duffy, 8 Mar 73, cited above.

Det 4, 3ARRGp Historical Input 1 Apr - 30 Jun 72

Appendix II

SARS in which Det 4 has participated

<u>MISSION</u>	<u>DATE</u>	<u>SAVES</u>
SPECTRE 22	1 Apr	15 combat
BAT 21	2 Apr	1 combat.
BLUE GHOST 39	2 Apr	-
BLUE GHOST 28	2 Apr	2 combat
PAVE MAIL 38	3 Apr	1 combat
VAMPIRE 46	4 Apr	1 non-combat
JOLLY GREEN 67	6 Apr	-
COVEY 282	7 Apr	-
BENGAL 502	9 Apr	1 combat
MUSKET 01	9 Apr	2 combat
COSMIC 16	20 Apr	1 combat
VAMPIRE 50	22 Apr	1 combat
SCORPIAN 115	29 Apr	-
COACHMAN 22	29 Apr	4 combat
RED HAWK 6	29 Apr	4 combat
ICERAG 04	11 May	-
GOPHER 01	11 May	-
BOWLEG 02	20 May	1 combat
OWL 14	23 May	-
OYSTER 01	1 Jun	1 combat
LOVER 03	1 Jun	2 combat
RITAOT	13 Jun	-
cathay airlines convair 880	15 Jun	-
SPECTRE 11	18 Jun	3 combat
HOB0 82	18 Jun	-
SANDY 7	20 Jun	1 combat
NICKEL 102	20 Jun	1 combat
WHOLEY 03	21 Jun	-
SALTER 04	24 Jun	-
CHAPPAKAWA SKY	24 Jun	1 non-combat
CHAPPAKAWA MOON	24 Jun	1 non-combat
LOUGY 03	24 Jun	-
LAREDO 17	25 Jun	-
DOLBY 01	27 Jun	-
TROY 04	27 Jun	-
VALENT 03	27 Jun	1 combat
VALENT 04	27 Jun	1 combat
COKEY 27	30 Jun	1 combat