





_{RG} 342

Location Technical Library

Access No. A F W L

Installment - JTF 7 TG. 7.3

4/9-5/15/54

JOINT TASK FORCE SEVEN COMMANDER TASK GROUP 7.3

COMMANDER TASK GROUP 7.3

HISTORY, OF OPERATION CASTLE

INSTALLMENT NUMBER 4

(Final Installment)

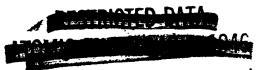
RCS-JTF SEVEN H-1

Period 8 April through 15 May 1954 CLASSIFICATION CANCELLED

REVIEWED BY DE STATE

Care unon 1/4/





COPY No. 5 of 9



COMMANDER TASK GROUP 7.3

HISTORY OF OPERATION CASTLE

Installment number 4

(Minal Installment)

Period 8 April through 15 May 1954

Submitted

R. F. HADDEN Lieutement Commender, USER

Approved:

H. C. BRUTON Rear Admiral, U.S. Havy Commender, Task Group 7.3





CUTLINE

- I. Deployment
- II. UNION YANKES NECTAR
- III. Effect of delays
- IV. Security
- V. Operations
- VI. Logistics
- VII. Comminations
- VIII. Holl-up
 - II. Re-deployment
 - L Statistics
 - II. Personnel Boster







DEPLOTEERT

L. The last ship of Task Group 7.3 to arrive in the the forward area, USS REGLAIMER (ARS-42)(LCDR H. K. Smith, USB), reached Bikini on 8 April, the day following the ECCH shot. She had arrived at Ewajalein on the morning of 7 April and was held there until after the ECCH RedSefe picture had cleared. At Bikini she joined SHEA and LST 1157 in support of the Bureau of Ordnance's Project 3.4.







Tesk Group ships made two sorties from Rikini Lagoon for UNION, the fourth shot fired. The first took place on 15 April. S days after the MCE shot, in more or less routine fushion. Hotice had been received early on minne-one day that an attempt would be made to fire the shot, permitting ship movements to begin on schedula. By 1500 the largen was clear of shipping, except for source small craft and two manned Havy LCEs standing by at the shot barge to remove the firing party. At 1515 all ships reported their positions at a safe distance from the some point, including PC 1546, stationed at Rongerik Atoll with Air Force weather observers absert. The firing party armed the device and boarded the LOEs for Admosa leland where they were picked up by halicopter and flown to Enve to compet the firing circuit. After disembarking the firing perty. the LGEs ran down the largoom, socred to buoys off Enve, the cross launched a DUES carried in one LCS and proceeded to Enya for helicopter transportation to BalkOkO. During the arming operation ESTES, BAIRONO, BENNIHAN (se plane guard) and BELLE GROVE renained within ton miles of Enys to shorten the belieopter flights and to be easily available in case an emergency developed. At 1815 the LCM cross errived on board BAIRORO. At 1830 the firing party helicopter reached ESTES, BAIRONO recovered her helicopters, and the four ships headed out to sea to join the rest of the formation.

2. At 1915 CURTISS departed her station at sea and headed

AFWLIHO



experient preparatory to launching a high altitude balloom. She completed her up-mini run, reversed course and at 2150 launched the balloon and returned to her station. A little over an hour later word was received from the Joint Task Force command post in ESTES that the shot had been delayed for twenty-four hours. All ships were notified of the delay and directed to remain at sea through the night. At 0800 ESTES, BAIROKO and HERSHAN closed on Enyu to transport the firing party in by helicopter to disconnect the firing circuit and dissum the device, but this action was delayed in the hope that a better weather situation might be developing. By 1500 it had become apparent that the meather would not permit firing next day, and the dissuming process was begun. Ford was received at 1730 that dissuming was completed when the ships headed into the lagoon. By 2000 all were suchored.

3. A sortic for BNIOH was not again attempted until 25 April. Throughout the period between sortice the task group remained in an advanced state of readiness, prepared to move out again on short notice, with each day designated as minus—two or minus—three depending on the weather outlook. It became apparent that to fire the remainder of the GASTLE series, the Joint Task force had to be prepared to take advantage of favorable weather based on short range forecasts. To meet the situation the alert status of the Havy Task Group was further increased so that all ships were required to be ready to someone their minus—one day events at moon on any day. Plens were made for earrying out the sortic after dark, in case such

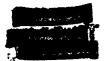


6



a movement should become necessary to take advantage of a sudden seather change. News was received of the cancellation from the ' schedule of the shot designated ECHO. To clean up the remaining three shots it had been decided to fire one shot, RECTAR, at Eniwetck, and two, UNION and YARRES, at Mikini. While the Joint Task Force waited for the meather to permit them to fire UNIOH at Bikini. scientific personnel made preparations for McCTAR at Eminetok. When it began to appear that MECTAR would be ready before UNIOH could be fired, an alternate firing plan was made, under which either shot would be fired whenever the weather permitted. To fire at Bikini the winds had to be from a quarter that would not deposit fall-out on Enimetak to the west, or the stolls to the east and southeast. MANTAR could be fired at Enimetok only when the Winds would prevent any appreciable fall-out on the two hervily populated inlends at the southern and of the stoll, Perry and Enimetok, and on Ujelang Atoll, 125 miles to the southwest. Either shot would be fired when the meather first permitted it, with UNION receiving priority should the weather be favorable for both shots on the same day, to clear the way for langes, the remaining hikimi shot.

4. On 22 April, with UNION still unfired, MECTAR was ready, and the task group was prepared to commence execution on the schedule of events for either shot with minimum warning. AFACHE and SIDUX were sent to their initial stations off Eniwetok to lay fallout collectors for Project 2.5a. On the morning of 23 April AFACHE experienced a serious casualty to her electrical control boards for





main propulation. She was returned to Enimetek to offlood project personnel and equipment and was then sent to Enajalein to effect repairs.

On Sunday, 25 April, at about noon, word was received from CJTF SEVER at Enimetok that, with a break in the weather isniment, the detonation of UNION next morning would again be attempted. Ships prepared to sortic and exaited the arrival of the Endwetck staffs. Bosts in the lagoon with fishing and diving parties were recalled. A decision had been made that morning that the BuOrd project would plant all its mines on UNION rather than apread its perticipation over two shots: RECLAIMER and SHEA were planting the two strings of mines that had been intended for a later shot. By 1700 they had laid all mines in the previously designated pattern and proceeded out of the lagron. The firing party arrived from Eniwotok at 1300. CITY SEVEN and his staff landed on the Enimen airstrip and were flown to ESTES by helicopter. At 1730 the firing party reached the shot barge, and CETISS got underway for the Engu anchorage. As they received their passengers, ships heisted anchor and left the legoon. The sortie was accomplished by changing event times as necessary to meet the situations which resulted from late arrival of the Enimetok groups. Despite the late start all preparations were completed by 2240 when ESTES, with the firing party aboard, not uniersay and proceeded to sea, leaving the lagoon empty except for moored bosts and barges. BELLE CROVE and BAIROKO, with PHILIP

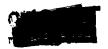


3



es plane guard, left their temporary stations close in to seasord of Enyu and, with ESTES, joined the formation at sea. At 2300 MICHGLAS reported on station as aircraft control ship, and a half hour later, all ships were on station at a safe range from the shot barge, with emberked personnel keeping a wary but hopeful eye on the weather.

6. Events throughout the night continued without a hitch. CURTISS launched her weather balloon at 2250. Aircraft No. 1 of VP-29, on patrol, reported sighting a Japanese fishing boat and a freighter, but their location did not place them in any denser from / fall-out. At 0220, following a weather briefing, the Task Force Commander directed that all ships except ESY/S be moved south to a position 50 miles from the shot barge, with ESTES to epen the range issodiately efter the shot. PO 1546 at Bongwrik was elerted to have all her passengers on board and be ready to get underway by noon, At 0300 ships began their southward movement. The last YF-29 patrol aircraft landed at Emajalein, with no additional contacts reported. The sea area in the fall-out poth was clear of itinerent shipping. At 0410 EDLALA reported that she was underway out of the expected fell-out area with the crew of YAG 40 aboard, leaving YAG 39 manned with a minimum erow in a well-shielded location and in control of the IAS 40 drone. SICUI was not at Bikini; during this period Project 2.5s had committed themselves to participate on MECTAR rather than on UNION. By 0530 the ships had completed their move to the southward with CURTISS in an intermediate position to maintain UEF communications with ESTES and with the remainder of the task group. While reported well clear of the danger sector,



proceeding toward the formation at 15 kmots. The two project aircraft reported on station. Ships took up their shot time headings
as the final phase of the voice time broadcast was piped out over
voice circuits. Personnel assembled topside to view the shot.
There was still a feeling of doubt among them; a last minute delay
would not have come as a surprise. But at 0610 on 26 April UNION
was detonated. Shot number four was finished, with only two to go.

- 7. The shock wave passed without harsful effect; the formation was well clear of the radioactive cloud. ESTES left her shot station and headed south. At 1000, with the cloud dispersed to the northward, the ships moved in toward Bikini and BAIROED prepared to launch helicopters for the initial Radiafs survey. The survey was completed in the early afternoon. By 1500 the lagoon was declared safe for re-entry and the ships entered and anchored. The airstrip was debria-ridden to such an extent that flight operations could not be resumed, so at 1800 ESTES sailed for Enimetok with CJTF SEVES and staff on board. The other task group units remained behind to resums work next morning to recover UNION data and prepare for YARKEE.
- 8. With UNION fired, NECTAR was scheduled for detonation two days later, on 28 April. ESTES arrived at Eniwetok the morning of 27 April and disembarked the Tack Force Commander and headquarters staffs. The weather held, and when the 27th, was confirmed as EECTAR minus-one day, CTG 7.3 with a small operational staff left Bikini by PEH and flow to Eniwetok, moved aboard ESTES, established





a watch and commenced the MECTAR schedule. Few task group units were present. The plan for NECTAR did not call for a pre-shot personnel evacuation; Eniwatok based personnel would view the shot from Farry and Eniwstok Islands, with the actual firing done from the control room on Perry. It was necessary only that ESTES be present to assist CTO 7.4 in aircraft positioning, that a DDE be near Uielang Atoll at shot time should evacuation there become necessary, and that sufficient vessels be in the vicinity to carry out an energency personnel evacuation of Eniwetok stoll should the need develop after the shot. Only SIOUI and IAG 39 were required in support of a scientific project, laying fall-out buoys for Project 2.5a. One itinerest vessel, USS LED (T-AEA-60), was present at Enimetok unloading cargo. To provide the necessary evacuation potential, it was planned to use ESTES, LED, YAQ 39, PHILIP (enroute from Mikini on a scheduled ferry trip) and the small craft present in the area. Since additional capacity was required, AINSTERN was ordered to Eniwotok. She departed from Bikini & 1600 with orders to join the formation at sea.

9. All ships sortied from the lagron before dark and took up stations southeast of the stell. At midnight EPPERSON departed her patrol off Hide Entrance and set a course for Ujelang. The first VP-29 patrol aircraft reported negative search results and landed at Ewajalein. At G200 HIGHCLAS reported on station as aircraft control ship, 50 miles southeast of the shot stell. By 0330 all five VP-29 aircraft had completed their searches of the area and

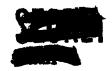




reported no contacts. SINUX and IAG 39 finished laying buoys and reported on their shot stations. The task group was ready for the shot, but to no avail, for the weather was deteriorating. At 0542 word was received from the Task Force headquarters on Parry that NECTAR had been cancelled for the day. Thus began a series of five sorties in all before NECTAR was detonated, three before YARKEE, and two afterward, with NECTAR the final shot despite its early readiness.

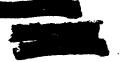
EFFERSON was recalled from Ujelang. Almsmorth was ordered 10. back to Bikini. After daylight the chips re-entered the larges and anchored. CTG 7.3 and his staff left ESTES and, after conferences on Parry Island, boarded an aircraft for return to Bikind. Just prior to take-off word was received that the weather forecast had improved, and an attempt would be made again to fire MRCTAR next morning. The TO 7.3 operations center in ESTES was reopened. AIRSWORTH ordered to turn around and steam for Enimetek again and the NECTAR schedule repeated. SIOUX and YAO 39 laid enother string of fall-out buoys to windward of those laid the day before, still unrecovered. By 2000 all ships were again clear of the lagoon. FRILIP had sailed for Rikini on the ferry run and ASASHAN was now making the westbound trip from Bikini to Eniwetok. Again VP-29's aircraft searched the area. Shortly after middight EPPERSON had barely taken her departure for Ujelang, when the word case "HECTAR delayed AS hours". AIESECRTH was again turned around and sent back to Bikini, and EPPERSON recalled. Patrol direraft were er-





dered to return to buse where the last one landed at 0522. At daylight SIOUI and EFFERSON commenced to search for fall-out buoys, to be joined later by TANAKONI when she had returned the "hot" drone ship, TAG 40, to her mooring in the lagoon. At daylight other units re-entered and anchored. CTG 7.3 and his partial staff returned to the CURTISS at Bikini, where preparations for TARKES were continuing. It was now 30 April and TARKES was scheduled to be reedy on 5 May.

11. On 3 May a third sortic for MECTAR was carried out. This time SSTAS was required at Bikini for tests in connection with readying IARREE, so CTG 7.3 set up a temporary command post ashers on Parry Island. Two of ESTES air controllers were transferred to the TG 7.4 ACC on Enimetek Island to essist in control of the TO 7.4 aircraft from that point rather than ESTES. USS LED was still in the area, and had been joined by two other itinerents. USS AREQUIPA (AF-31) and USS HAVASOTA (AO-106). These, coupled with LST 551, were considered capable of carrying out the conrector evacuation of Eniwetok should it become necessary. He fall-out buoys were laid: Project 2.5a had exhausted its supply on the two previous REGIAR attempts and efforts to recover the buoys had not been succosful. The ships departed the lagora by 2000 and proceeded to their shot time stations, except EPFERSON who took up her patrol of Wide Entrance. Patrol aircraft searches were underway. At 2100 it was learned that two LCIs, manned by naval personnel attached to TG 7.2 and under control of the Army Task Group, were missing. LOE 45 had



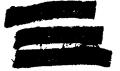


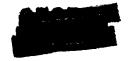
failed to return from a sweep of the chain of islands begun carlier in the day, and was long overdue. She was still afloat; her comswain could be heard repeatedly broadcasting requests for a radio check, but his radio receiver apparently was not functioning, and he did not give his position. Because of a report that a vessel, possibly an LUK, had been observed in Wide Entrance, LCK 48 had been dispatched by the army to search there for the 46. It is turn got into difficulties and radio contact with it was lost. An all hands effort to locate the two boats was begun. At 2300 EPIERSON, ordered : in for her pairol to search the Wide Entrance, found LCH 48 and would it to its mooring. At midnight on Air Force helicopter passed over LCM 45 and the boat commain reported the fact on his radio and finally gave his approximate position. The helicopter was sivised and orbited over the bost until another TG 7.2 LGH took it in town Two VC-3 aircraft, acreabled to aid in the search, returned to base, and EPPERSON left the lagoon and headed for Wielang. A few minutes later RECTAR was again postponed when the weather forecast became unfavorable. All units were directed to discontinue the schedule for the night. The chips remained at sea and returned to the lagoon after daylight. It was now & May, TARKES minus-one day, and the weather, while not favorable for a shot at Enimetok, appeared suitwhile for one at Rikini. Flans were made for an early trip to Rikini and the Task Group Commander and his MaCTAR staff left hoisetok at 0800 to return to CUMTIES for YANKEL





The YAMKES sortie was conducted without untoward incident, but on a delayed basis. By 1830 & May all ships except ESTES were at sea and on their shot time stations. ESTES was enchored off Enym swaiting the arrival of the LCMs carrying the firing party from the shot barge. They were experiencing difficulties with the firing circuit to ESTES and delayed their departure to remedy the trouble. Milala was in position to the northeast of the atoll with the two YAOs, proparing to debark the YAO 40 crow and leave YAO 39 menned and in control. YP-29 aircraft were airborne and carrying out the pre-shot search plan. By 1930 the firing party was aboard ESTES, the idle moored to buoys off Enye and their crows picked up. MSTES! sailing was still delayed while work continued on the firing circuit; at 2100 she was underway, and left the lagoon. By midnight all patrol sircraft had landed at Evajalein, reporting the search sector clear of shipping. At 6140 two G-97s, ordered to VP-29 for a special fall-out raft laying project for the ABG, took off at Evajalein. About an hour later CJTF SEVEN requested that chips move out to 50 miles from the detonation point, with a change of bearing to the westward, except for ESTES, who was to remain in her assigned station and move after the shot. MICHGLAS, acting as sircreft control ship 50 miles from Bikimi and slightly morth of west, was shifted south to a westerly bearing and moved out to a range of 90 miles. At 0330 the YAG debarkation was completed and While headed south to join the task group. The formation steemed





on station, the weather remained favorable, and at Oblo 5 May, TANKKE was fired.

13. At about 0900, when the danger of immediate fall-out had passed, the ships were ordered to close their range to Bikini and stand by for re-entry. When BAIRONO reached a point ten miles from Enyu she launched belicopters and the initial RadSefe survey began. Then reports of the survey were in it appeared that the lagoon water was too "hot" to permit a general return of the chips that night and a conference was called in ESTES to discuss the situation. The Task Group Commender and his Operations Officer transferred to KSTAS by highline for the conference. There it was decided that ESTES would return to Enimetok that night, first making an exchange of passengers with the other major ships, and that other units would spend the night at sea. At 1600 BAIROKO. CURTISS, ESTES and BELLA URDVE entered the lagoon and anchored off Egr. BELLE GROVE aut bosts in the water and completed the passenger transfer. At 1930 SSTES was underway and left the lagoon. followed by the other units. By 2040 the lagoon was again empty. The chips remained at see until daylight, when they closed the atoll and carried out the re-entry plan. By OSL5 the last ship was in. The day was spent in conferring with commanding officers on their roll-up responsibilities, and that night CHRISS sailed for Eniwetok. Upon her arrival there next morning, the Task Croup Commander and his staff moved ashore to Farry Island and responed the head-marters there for the final phase of CASTLE.





There followed a week of roll-up planning and activity while the Task Force again walted for the weather to permit firing MECTAR. On 11 May the fourth MECTAR sortie was made. CTG 7.3 and a partial staff returned aboard CURTISS in the late afternoon. The sortie began a few minutes later, and by 2130 all ships had elegred the lagoon. They had no pre-shot scientific support tasks, so all proceeded directly to their shot time stations. USS MANAKACKE (AOG-53), present as an itinerent, was assigned a station well clear of the stoll. Alesworth and Rella GROVA, enroute from Highi, were / ordered to join the formation at see upon their arrival. At 2100 EPPERSON departed for Ujelang. At 0045 the last search aircraft landed at Evajalein and the expected fall-out area was reported clear, At CLOO CITY SEVEN advised that the weather outlook was poor. At 0500 he announced that the shot had been delayed. The ships returned to the lagoon at daylight. On 13 May HECTAR events were again begon, and carried out on substantially the same schedule. MANAKAGON had departed for Englalein that day. This time the favorable weather held. and at 0620 on 14 May, MEGTAR, the final shot in the CASTLE series, was detensted. When the shock were had passed, units closed Enivetok, re-entered and by 0745 had anchored in their evacuation stations. Before nightfall all danger of heavy fal-out had passed and CERTISS and ESTES, released from Operation CASTLE, departed Eniwatok for San Francisco. SIGHT and WHALA put to see that afternoon and, with VP-29 aircraft, engaged in a special water survey and sampling program for the AEC.





11

The rest of the took group was diligently clearing up its roll-up tasks with a view to early departure.



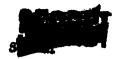


m

RFFECTS OF DELATE

- at the commonwealt of the operational period was to be detonated on 22 April. NEGTAR, the last shot actually fired, was detonated approximately three weeks after that date, on 14 May. In retrospect the extension of the operation for three weeks beyond its planned length was not a considerable delay. A delay approaching that length of time was not entirely unexpected. Ferhaps the most significant offects that the element of delay had upon the Many Tank Group were attirubtable more to the lack of any firm knowledge as to when the Operation would end, then to the delay that actually occurred. The added factor of the delays on individual shots contributed substantially to the Many's problems during GASTIE.
- 2. As the Operation continued on with its end not in sight, and shots were postponed again and again because of unsatisfactory weather, apprehensions were felt for a master of reasons. Easy task group ships were due for shippard everhaul in late May or early June. Some were scheduled for other employment, notably the four DBEs of Recort Destroyer Division Twelve who were to deploy to the Far East in June. The material condition of all units was deteriorating. Lack of repair facilities and the impossibility of scheduling adequate periods of upkeep, due in part to the many shot postpenements, began to be felt in April and had an increasing effect as time west on. Ships began to suffer mechanical failures: LST 762 was released from GASTLE





and limped home for repairs; the ATFs and DDEs began to report difficulties. Many had minor gear that was inoperative and not repairable until spares could be obtained. Aircraft engine hours built up and approached allowable operating limits. Stores laid on for a 120 day operating period began running low. Logistics problems smitiplied. Emlistments and obligated active duty periods for a substantial number of essential task group personnel were close to running out. The lack of recreation for the large numbers of named personnel whose ships celdon left fiking except to go to see had an adverse effect on morals which, though slight, threatened to become a major problem.

Jo As it turned out most of the difficulties that the delay brought into sight were never actually realized. The weather permitted the shots to be fired before the problems reached a serious magnitude. Nost ships were able to sail in time to most their commitments; by utilisation of the delay periods for partial rell-up the sajerity of them were able to leave for their home bases much sooner after the final shot than had been planned. All were in need of extended periods of continuous upkeep upon arrival at their bases. A few personnel were flown to the United States for discharge; the numbers due for release did not become significant until June and most ships had completed redeployment early that month. The lack of recreation coased to be felt on 14 May with MEGTAR fired and the prospect in sight of a quick departure from the forward area.





The delays on individual shots, accompanied as they were by frequent sorties followed by postponement, multiplied the tanks of many task group units. A considerable number of them had to commence scheduled operations on minus two day or early on minus one to permit completion before shot time, notably the Affa supporting scientific projects, and the patrol squadron at Asajalain. All ships had to prepare early on minns one day for sortie from the lagoon. Fourteen actual sorties were corried out in getting off the six GASTLE shots: preparations were carried out to a considerable extent on several other occasions. To meet the situation the task group was maintained in a state of constant readiness, and preparatory operstions originally scheduled for minus two day were modified so that they could be commenced on minus one. The constantly changing situation required extreme flexibility of the task group. Logistics were complicated. Supply ships and tankers carrying task force cargoes had to put in at Kwajalain to await a break in the schedule to permit them to proceed to Enimetok without retting involved in shot operations. Unloading at Bikini had to be carried out hurriedly; complicated fueling plans were necessary to keep ships supplied and ample stocks on hand. Proper upkeep became impossible. The task group successfully accomplished its CASTLE mission only by virtue of long hours of hard labor, and the determination, reflected throughout all units, that no CASTLE shot would be delayed on account of the Mary.





IY

SECURI TY

BADGES

- 1. The security badges system for controlling the entry of personnel to sensitive areas at Eniwetok and Bikini went into effect on 23 January 1954. The areas of particular interest to Task Group 7.3 where badges were required for admission were Parry Island at Eniwetok Atoll and Eniman Island (and the smaller islands joined to it by a causeway and forming the airstrip) at Bikini Atoll.
- 2. Ideally, no one was to be permitted entry to either of these islands without a made. Actually, since the Task Group 7.5 security office where the bedges were made and issued was located on Parry Island, Task Group security officers were authorized to issue temporary permits to personnel without bedges permitting them to land on the island and proceed under escort to the bedge office. There a temporary bedge, good for a maximum of five days, was issued to an eligible individual pending completion of his permanent GASTLE bedge. To be eligible for a bedge an individual had to hold a valid AEC "Queen" clearance, or have been granted an interim military clearance for soccess to Top Secret material, pending processing of his "Queen" clearance application. Military Police personnel of Task Group 7.2 enforced the bedge system, controlling the movements of personnel to and from sensitive areas.





The number of Task Group 7.3 personnel who would require continuous or frequent access to Parry or Enimen Islands was estimated before the deployment of navel units. To the extent that time permitted arrangements were made for them to receive their badges prior to departure from the United States, or irmediately after their arrival at Eniwetok. In many cases however, such advance arrangements were not possible, due largely to the late nomination of some ships and units for CASTLE, and to the delays inherent in the task of assembling and mailing clearance applications / and clearandes, badge requests, photographs and badges, at a time when many task force units were in the process of departing for the forward area. As a result a substantial number of naval personnel arrived in the forward area with "Queen" clearences not yet completed. and their bedges not yet requested. In most cases the lack of a "Queen" clearance was remedied temperarily by granting an interim military Top Secret clearance. But the lack of badges placed a heavy workload on the Task Group 7.5 Radge Office, in issuing both temporary and permanent bedges to the same individuals. As the Operation progressed it became apparent that too many "Queen" clearenges had been requested for task group personnel, and that there was such inconsistency in the number requested by ships of the same type. Recommendations to remedy this situation have been incorporated in the CTG 7.3 Final Report.

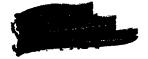


182



- A number of incidents arose during the early operation of the badge system in which the necessary movement of naval personnel in the forward area was severely, and unnecessarily, hindered. One affected the operation of the Bikini fighter aircraft detachment. three aircraft and personnel of VG-3, attached to RAIRONO. The three aircraft were flown off BAIRONO as she was arriving at Billini. They landed on the Mikini airstrip, where the pilots were not by security Military Police. VC-3 was one of the units mominated too late to complete all security requirements, and the pilots did not have badges. They were placed under restraint and, after interregation, escepted from the island and returned by boat to BAIROND. which had by then extered and exchored in the lagoon. The pilots and squadron maintenance personnel were then desied access to their giroraft. This stringent enforcement of the security system was due to a local interpretation of Commander Joint Tack Force SEVEE security regulations by military police remennel at Mikimi. Since the personnel involved had been granted interin Top Secret clearanges pending processing of their "Queen" clearences, the task Group Security Officer, CDR R. A. Klare, USER, obtained bedges for them at Parry, flow with them to Birini and resolved the situation by issuing the badges.
- 5. A similar situation developed with respect to transient naval personnel attempting to rejoin or report to their units at Bikini.

 They arrived in the area, usually by air, on Enivetok Island. From





į

there they travelled by ship, or on the C-47 air shuttle, to Bikini. If they travelled by ship, there was no problem, since they could reach their ships without any need to land on Enimum Island. However, many of them rode the C-47 shuttle to Bikini. Most were not badged, nor were they eligible for badges, since they held only Segret military clearances. Again, when the first unbadged transient personnel began arriving at Bikini airstrip they were placed under restraint, interrogated, and finally secorted, under guard, to the boat landing. This situation was recolved by mutual agreement between the headquarters concerned that transient navel personnel travelling under orders, but without bedges, would as a routine matter be escorted between Bikini airstrip and the boat landing without being viewed with suspicion.

VALVERS

6. Several Task Group 7.3 units were nominated for GASTAR so late as to render futile any attempt to obtain "Queen" clearances for their essential personnel. These were the relief LSTs, 525 and 1146, ordered up as temporary replacements for the two regularly assigned LSTs when they were laid up for repairs, and the units connected with Project 3.4, the Bureau of Ordnance mining project, a late addition to the CASTAR program. These latter were USS SHEA, USS RECLAIMER, LST 1157, Explosive Ordnance Disposal Unit One (RODU-1), and a detachment of Raval Beach Group One. All were ordered to participate in CASTAR well after deployment of the task group had begun. Since it was recognised that "Queen" clearance processing normally requires a

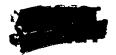


minimum of 90 days, and usually 120 days, CTG 7.3 decided, with concurrence by GJTF SEVEN, to valve the "Queen" clearance requirements for personnel of these units. Secret clearances were issued, and for those who qualified and required badges, interim or de facto Top Secret clearances were granted. So attempt was made to process them for "Queen" clearances.

7. After the operation was well under way, GJTF STYER requested that Task Group Commanders onuse still pending "Queen" clearance requests from their personnel be reviewed with a view to possible cancellation, on the possible premise that it might now have become evident that some of the individuals did not require "Queen" clearances. The Task Group was canvasced and some twenty-five such persons were located. Sower, before agreeing to cancellation of their requests, GTS 7.3 stipulated that the initial investigation, consisting of the agency record check, first be completed in each case, and the individual's command notified of the result. If this were not done the cancellation would leave the individual present in the area in violation of the Task Force requirement that all personnel be cleared at least through Secret. His Commanding Officer gould not have a favorable Fational Agency Check on which to base the required Secret clearance.

exain lineous

5. As clearance requests which were still pending when their subjects arrived in the ferward area were processed, a small number of personnel considered to be potential security risks were discovered and transferred from the Task Force. An unfortunate and important instance of this type occurred in the case of the Commanding Officer



of one of the shipe. After operations had commenced a report was received from the ANG indicating possible suspect activity on the part of a relative, together with indications that a "Queen" clearance would not be granted. Due to the highly sensitive nature of the ship's mission, GNG 7.3 had no alternative but to request the Chief of Haval Personnel to order the Commanding Officer's immediate transfer from his commend and from the area. This was done, and the ship's Executive Officer assumed command until the arrival of the ship's new Commanding Officer. In a later case of a similar nature, involving an Assistant Communication Officer of another ship, the situation was resolved by his transfer to less sensitive duties in his ship, rather than from the area.

stached to one of the shipe brought about his prompt removal from the area. While diaries were not specifically beamed by GFF SEVER directives, the entry in them of date of a classified nature was prohibited, at least implicitly. The diary in question was discovered in a crews' compartment and turned in to the Commanding Officer. While the diary as yet contained no prohibited statements beyond the projected date for the first thermonuclear shot, its owner had stated in it his intention to record whatever events of Operation CASTLE he would witness or otherwise learn about. Basing his action on this expressed intention, his Commanding Officer transferred him immediately upon arrival at Emission, as a poor security risk, after



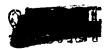


revoking his Segret clearance and obtaining a signed termination statement. The man departed the area under orders to report to the nearest Eaval Reserving Station in the continental United States. Since he had been certified as a good security risk earlier to Commander in Chief, U.S. Pacific Fleet, CinCPacFlt was notified of his changed status and transfer, CinCPac directed that the man be transferred to a station remote from the U.S. until the end of CASTLE, to guard against any possible security violation. The man reached Receiving Station, San Francisco before he could be intersepted, but was immediately moved again, this time to a Mayel activity on Sun,

10. Because of alleged homosexual tendencies of five enlisted personnel, it became necessary to revoke their security clearances and transfer them to Naval Station, Evajalein, pending completion of the operational phase and review of the investigations.

SECURITY VIOLATIONS

temporary duty with GTG 7.5, reported that during the fueling of a DDE by GURTISS in Bikini Legoon he had observed two individuals on the DDE photographing the operation. When a check revealed that no photographing had been authorized at this time, GTG 7.3 reported the alleged incident to ComGortDesDiv 12 and requested an investigation. A board was convened on USS EPPERSON. The findings of the board were that there was no basis in fact for the charge, no evidence could be found to substantiate the report of unauthorized photography. Indi-



dent to the investigation a surprise looker inspection was conducted on EPPERSON and some film, exposed and unexposed, was found in an enlisted man's locker. The film was delivered to CJTF SEVER developed and found to contain no classified information.

- Torce were briefed on security requirements before arrival. Two minor security incidents arose aboard them early in the operation, both involving the sale of cameras in shipe' stores. On one ship a camera was actually sold to a crew member of a task group ship.

 When the man turned in the camera to his Commanding Officer for custody until the end of CASTAR, the sale was reported to the Eask Group Commander. Another transient ship entered the area with cameras on display in its ships store. Arrangements were made to supplement the pre-arrival briefings by a briefing by the Boarding Officer upon each transient vessel's arrival at Eniwetok, and no further incidents of this kind occurred.
- 13. The security program within the task group was most successful. Only one letter was referred to in the press. It was written by a Corporal Dan Whitaker of the Marine Corps. Whitaker viewed shot BRAVO from Ewajalein and the subsequent arrival there of natives evacuated from Hongelap, Utirik and Allingnae, Since he was at no time a member of Task Group 7.3; his letter cannot be attributed to any failure in the security indostrination program.





OPERATIONS.

EECURITY PORCES

- 1. A primary mission of Tesk Group 7.3 was to provide for the security of the Enivetok/Rikini Danger Area. Forces assigned to accomplish this mission were the four DDEs of Mscort Destroyer Division Twelve augmented by PC 1546, Patrol Squadron Twenty-Hime, a six fighter aircraft detachment of Composite Squadron Three, and the Enivetok Underwater Petection Unit.
- 2. OTG 7.3's ability to perform the security mission was limited by the strength of the forces provided for the purpose, and was still further reduced by the frequent diversion of security units to other duties as the Operation progressed. Within these limits, effective security measures were carried out on very nearly the level planned for the Operation, although often at the expense of adequate upkeep and training.

Surface Security Toress

3. ETPERSON, MICHILAS, PHILIP, EMESHAU and PC 1546, under Commander Toward Destroyer Division Twelve, formed the Surface Security Unit. It was this unit's mission to prevent unfriendly forces from gaining intelligence of Operation CASTLE and to detect and counter hostile action against any unit of Joint Task Force SEVEN.

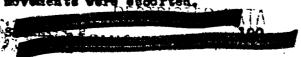
Patrol and escort were the basic means by which the mission was accomplished. The surface craft were responsible for conducting





patrols in the open area near the two atolls against any submerine or surface penetration. Continuous patrol coverage around both atolis was not possible with the number of ships available. As the most effective alternative the ships confusted intermittent patrols. varying the pattern of their movements so that hostile forces, if any were present, could not take advantage of an established but incomplete patrol pattern. The patrols were cantered about the more sensitive areas at each atoll. i.e., near shot sites and eff larger entrances. Thenever possible an in-port vessel was stationed as a / soner picket inside a lagoon entrance. The frequent absence of one or more ships on other missions made this practice irregular. In addition to their own patrols close inshore, the MMEs and PO were available to develop contacts further out in the danger area when reported by patrolling aircraft of VP-29. Marky in the Operation a DDE intercepted and diverted a Japanese fishing yessel approaching Enivetok. Other than this, no unauthorized surface vessels were detected in the surface patrol area during the Operation. Several sonar contacts were made; all were classified, after investigation, as non-submarine.

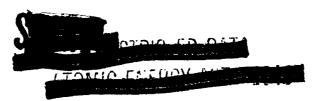
4. Surface escorts were provided in all inter-atoll movements of AEC devices, utilizing one or two screening ships, depending upon the number available. The escort destroyer division's initial task in CASTAR had been to screen CURTISS on her January voyage into the forward area, from a position off Rawaii to Mainetok. He other ship movements were escorted.





- of minor functions concurrently with their patrol and escort tacks. They furnished the primary Search and Rescue surface potential at both atells, although never called upon to effect any rescues. On each shot one DDS, usually REMSHAW, was stationed approximately midway between the two atells with Air Force Tack Group personnel and a homing device aboard, to act as control ship for Tack Group 7.3 aircraft, and as a communications relay. One DDS served as plane guard for EAIRORD at sea during shot periods. Fighter aircraft at Eniwetok were controlled in flight from one of the DDSs stationed there.
- 5. The Surface Security Unit experienced a loss in effective strength throughout the Operation of about 25 percent due to the accessity of diverting its ships to duties unrelated to security. The first such incident took place when NICHOLAS was dispatched on 28 February, just prior to BRAVO, to assist in the search for a Gamberra bomber lest between Kwajalein and Los Megros. She was returned to GEO 7.3 operational control on 3 March. For a considerable period after BRAVO some of the DEEs were temporarily relieved of their security duties and assigned a variety of tasks necessitated by the extensive post-BRAVO contamination in the area. PHILIP evacuated the natives from Rengelap and Ailingians. RESSMAV was sent to Utirik where she performed the same task; and then was returned to the contaminated atolls to condust a radiological survey at locations where seaplane landings were impracticable. All BDEs, in their turn,

30



were utilized as ferry craft, carrying passengers and light cargo between Enlystok and Bikini during the several weeks the Bikini airstrip was closed or operating on a restricted basis after ERAYO. WIGHILLS was sent into the contaminationed atoll area cost of Bikini on a special survey mission. After the BEAVO effects had lessened. surface security operations were returned to a nearly normal basis. except for the occasional employment of a BBE to assist in the search for Project 2.5a fallout collector buoys. As noted earlier. PO 1546 spent considerable time at Allingues and Rongerik on MON, UNION and TANKEE performing duties not connected with security. On all five RECTAR sorties. EFPERSON was assigned the duty of standing by near Ujelang Atoll to evaquate the matives there if severe radioactive fallout was received. The effects of over-employment of the DDMs during the period following REATO was felt throughout the remainder of the Operation. The time lost from planned upkeep and mintenence schedules was never made up, and as operations continued ever a longer period than had been planned originally the ships began to suffer engineering degangements of a serious nature. All were repaired, however, without outside assistance, and little operational time less resulted.

Fighter Aircraft

7. Six FW-58 day and night fighter alreraft were assigned to the task group for intercept duties. The aircraft with operating and support personnel were a part of Composite Squadron Three and tem-





perarily attached to BAIROEO for GASTLE. To provide intercept expabilities at both atolls three sireraft were assigned to each. The Eniwetok element was based on the siretrip there with a EME at that atell performing fighter control duties. Until ERAFO the Bikini element was based on the Bikini airstrip under control of BAIROEO's GIG. GIG officer personnel from both BAIROEO and GURTISS were assigned temporary duty throughout the Operation in the Task Group 7.4 Air Operations Center at Eniwetok, with the function of providing to BAIROEO and the Eniwetok fighter control EDE up-to-date information on flights transiting the area.

and prepared to conduct flight operations from the GVE during the period the ship was outside the lagoon for the shot. This element was never returned to Bikini, After BEATO it was impossible for the sireraft to operate from the heavily contaminated airstrip. BAIRCED was needed inside the lagoon to conduct helicopter operations that were absolutely essential to continuation of the tests. It was concluded that the intercept expability at Bikini could not be maintained without seriously hindering the GASTLE program, and the three Bikini aircraft with their personnel were placed ashere at Eniwetch and joined with the three aircraft originally based there. The probable ineffectiveness of these prepeller driven aircraft had modern enemy planes entered the area contributed to this decision. After BRATO all six fighters continued to operate from Eniwetch.





9. Fighters were excessived on four occasions, all in February, to identify air contacts that could not be readily identified as friendly. In each case the unidentified aircraft was on a prescribed flight path, but no flight plan information was available at the time of excamble. Two on the prescribed air route from Eniwetok to Nawaii faded before intercept could be made. One was identified as friendly almost immediately after the scramble. One was intercepted and proved to be a VP-29 aircraft on patrol.

Patrol Aircraft

10. VP-29, with its 12 P2V-6 patrol sireraft, was deployed to Ewajelein for a dual mission, as the Pacific ready duty mining squadron, and as part of the GASTLE security ferces. Under this arrangement CTO 7.3 was to have operational control of 6 of the aircraft at all times, and of all 12 during the 45 hours preceding GASTLE shots. The 6 aircraft thus freed from GASTLE periodically were to train at Gram for their mining mission. This was done until NEATO when intensified GASTLE duties placed upon the squadron precluded continuation of the training at Gram.

11. VP-29's primary mission in GASTAR was to conduct search and anti-submarine patrols in the Emiyetok/Bikini Danger Area to detect and assist in denying entry to any unantherized vessels or aircraft. Added to this mission, and supplenting it to some extent in relative importance after BRAYO, was the one to conduct recommissance flights to detect shipping in expected or actual radioactive fallout areas during shot periods and warn it out of danger.



12. To meet this combined requirement standard armed ASV patrols were flown in the Danger Area throughout the Operation averaging one patrol every other night. In addition recommalssance flights were flown preceding and following shots. The recommalssance patrols covered two sectors; the Danger Area, and the sector along the bearing of the predicted path of the radioactive cloud, i.e. the significant sector. Initially the first recommaissance flights took off from Euglein early on shot day minus two. One aircraft searched the Danger Area continuously, relieving on station, until a few hours before shot time. One aircraft searched the significant sector on minus two day, returning to base upon completion of the search. This flight was repeated on minus one day. A third significant sector search was mide by one aircraft on shot day, after the shot, if it was requested by GJTF SEVER. This was the general pattern of flights conducted for the first shot.

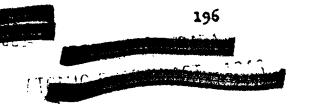
13. As a result of the contamination of the Japanese fishing vessel Leaky Bragon which was caught in the widespread REATO fallout despite its position outside the predicted fallout area, the VP-29 reconnaissance task was greatly increased on subsequent shots. The Enivetok Banger Area, which before GASTLE had been enlarged to include Bikini Atoll, was further expended, with a different area prescribed depending upon whether the shot was to occur at Bikini or Enivetok. The number of sircraft to search the new areas was increased to three. The significant sector was now to be searched by two aircraft, bringing to a total of five the number of planes VP-29 had to put in the

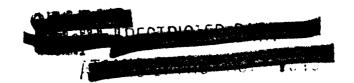
RECIDICIED



air for each shot time reconnaiseance. The frequent delays and postponement of shots and the short notice on which they were so often
fired made scarches on minus two day imprectical; the task force
sometimes remained in minus two day status continually for days while
avaiting a break in the weather. Consequently the five plane intensified searches were made on minus one day only, and after a shot
if required. Even then airgraft commenced many searches that were
called off after late shot postponements. To reduce unnecessary flights
to the greatest possible extent reconnaissance takeoffs were deferred
until about 1330 on minus one day. No further contamination of
itinerant vessels near the danger area occurred during CASTLE. As
a precautionary measure CDS 7.3 was authorized to assume operational
control of naval vessels passing through the fallout area to divert
them if necessary before or after a shot.

14. Along with the increase in reconnaissance flights BRAVO effects brought additional employment to the patrel equadron in the form of three radiological survey flights over the stell area to the enstward on BRAVO plus one day and a similar flight through the Gilbert Islands on BRAVO plus five days. These flights, combined with a shot day significant sector search employing two aircraft, a flight in support of Project 2.5s on shot day plus two and the task of furnishing aerial escort for a device movement from Emiwatok to Bikini on BRAVO plus two days required that CTG 7.3 retain control of more than the six siroraft originally intended for fulltime GASTLE employment.



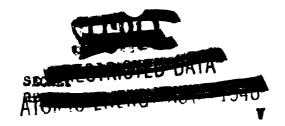


Continued greater employment of the squadron after BRAVO led to abandonment of the 6 plane concept, and all 12 aircraft were exerated thereafter in support of CASTLE.

- 15. As an additional phase of its security mission the patrol squadron provided continuous aerial escort of all ASC device movements between Enivetok and Bikimi. VP-29 aircraft escorted CURTISS on the last leg of her January voyage to Mivetok.
- 16. A special mission was assigned the squadron in support of the ARC World Wide Fallout monitoring program. It required extended flights over the downvind atoli areas both before and after each shot for airborne monitoring purposes. In addition eight special flights were made in support of an ANU Health and Sefety Laboratory project instituted after the BRAVO fallout experience.

Underwater Detection Unit

17. Marbor entrance protection in the form of an underwater hydrophone installation was provided only at Mnivetok Atell. The high cost of thme guarding the two Bikini entrances plus shortage of equipment and trained personnel led to a decision not to establish such a system at Bikini. The Eniwotck installation functioned efficiently throughout the Operation with no attempts at unsuthorized entry into the legoon detected. The frequent diversion of surface security vessels to other employment somewhat vitiated the UDF's effectiveness, since such a system can only detect and partially evaluate suspect contacts. At times no surface vessel with ASV capabilities was available to support the UDU.

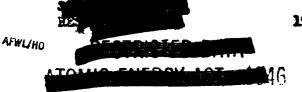


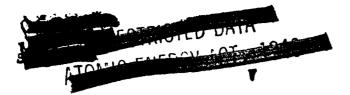
SCIENTIFIC SUPPORT

18. Seven scientific projects included in the Task Group 7.1 effects test progress received individual support from units of the Easy Task Group in addition to the general support rendered by the Boat Pool, the helicopter squadron and all ships. Four projects required substantial support involving the almost exclusive use of specific task group units and often intermittent support from others; three were supported only by minor forces. All the projects requiring major support were Many sponsored, included in the Department of Defense effects test progress.

Project lak

19. Project 1.4 was an Office of Haval Research sponsored study of the behavior of a shock wave in water by means of uniarwater pressure vs. time measurements. It participated in every shot emost HOCM. Havy Task Group assistance was required to lay buoys, moor, service and recover instrument cans and record data telemetered to an aircraft at shot time. OFFSI, a salvage lifting vessel constructed on an LSH hull, a Havy manned P4Y-2 sircraft equipped with telemetering devices, one of the five task group ATFs and a barge, IC lost, were assigned to the task group to support this project. A Book Pool LCH was modified for the Project's use by addition of wooden decking, a guard rail and a small scans. By a special effort ShipAlt ARSD-45 was completed to improve OFFSI's lifting expability before the operation.





Project personnel requested that a barge be made available for their use, after they had conducted preliminary mooring and recovery tests in Chesapeake Bay in October 1954. TO lock was assigned to the task group for this purpose. COOPA was the ATF usually assigned to the Project, although SIOUX, APACHE and TAWAKONI assisted upon occasions. HECLAIMER, whose primary function was support of Project 3.4, rendered some last minute assistance when it became necessary for the Project to make an all out effort on UHIOM.

20. Soon after her arrival in the forward area GTPST reported that she was developing severe and extensive cracks in hull and bulk-heads with the result that she had only one fresh water tank still capable of carrying potable water. She continued working with the Project while her difficulties were studied. A representative of Pearl Harbor Maval Shippard flow to the forward area to inspect GTPST. It was finally decided that she should be replaced, and another ARSD, the HENDER, was ordered in to relieve her. HENDER arrived on 23 March and GTPST departed the 25th. for shippard repairs. Ironically, it was considered likely that the ShipAlt installation was partially responsible for her difficulties.

21. In the rough lagoon waters supporting units experienced considerable difficulty in hamiling the moorings and five ton instrument cans end in carking alongside the cans in small boats. HENDER's lack of the lift capability that the shipelt provided to GIPSI was partially responsible, and the design of the moore made them difficult to handle.

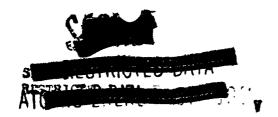
to handle.



Project 2.5a

22. Project 2.5s. involving radiosctive fallout studies conducted by the U.S. Maval Radiological Defence Laboratory, received heavy and exacting support from the task group. Two ATFs, APACHE and SIOUL, were employed almost full time in the Project. It was their task to lay free floating den buoys equipped as fallout collectors downsind from the detoration point outside the largon, then relocate them after the shot and recover them. In case of a shot postponement it was necessary that the buoys be recovered, serviced and replanted, ismediately if the postponement was a brief one. With the great number of postponements that occurred in CASTLE this task became a heavy one. Even though the bunys were equipped with special radio transmitters, and the ATFs with special radio direction finder equipment, the buoys were hard to locate. The radio signal emitted by the buoys weekened greatly after several hours in the water, and was not of very great assistance in the hunt. VI-29 aircraft and the security DDEs were often called upon to help in the search when they could be spared from other, more pressing duties. Once located, the buoys were hard to handle in the rough seas. The hand ling problem was made more difficult by the design of the entennee that projected from the tops of the bucys; shaped like short unbrella spokes the antennae endangered the eyes of personnal handling the buoys and were themselves easily damaged. Fallout studies inside the lagoon were made by means of reft-borne collectors. A grane-equipped LCU handled the rafts. Despite the difficulties involved every effort



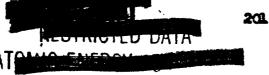


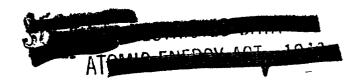
was made to assist this Project in the successful accomplishment of its mission. It was considered the most vital of those sponsored by the Department of Defense.

An interesting development involving this Project was the discovery by buoy hunting ships as the operation progressed that sharply defined patterns of low level radioactive contamination existed in the ocean area far downwind after a shot, in the water itself. On the MECTAR shot, with all their fallout buoys expended, personnel of this Project assisted AEC Health and Safety Laboratory personnel in a study of the phenomenon, with the aid of SIOUL, WOLALA and VP-29 aircraft, monitoring and plotting the contaminated areas ent obtaining water samples for analysis.

Project 3.4

21 The Havy Bureau of Ordnance had obtained approval late in the CASTLE planning period for inclusion of a progress to test the neutralizing effect of high yield detenstions on naval mines, - Froject 3.4. The ships SHEA, a light minelayer; RECLAIMER a salvage vessel; and LST 1157, with two LCMs from Mavel Beach Group One, and Explosive Ordnance Disposal thit the were assigned to the task group specifically to support the Project. Arriving late in the Operation, the project perticipated in only one shot, UNION. The initial intention was to make a preliminary test by planting a few mines on one shot with the main effort on a later one. Uncertainty over the shot schedule led to the decision to dispense with the initial test, and on UNION the



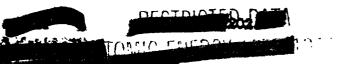


ships laid inside the lagoon seven strings of mines (123 in all), plaster filled but with complete mechanisms. One hundred mines were recovered after the shot, many of them contaminated. All obviously damaged mines were jettisoned after careful examination and photography; forty-eight in good condition were returned to Pearl Harbor for study. All recovery work was completed before YAMKEE.

Project 6.4, the Navy Bureau of Ships sponsored project for proof testing atomic warfare countermeasures, has received extensive coverage in CTG 7.3 Final Report, and some in the Radialogical Safety; chapter of this installment, so a description of the Project is omitted here. The drone ships, YAG-39 and YAG-40, especially reactivated from the Maritime Administration "mothball" fleet, were necessarily devoted nearly exclusively to this Project. They were however used for another purpose, at least in planning, when their evacuation potential was depended upon in some of the earlier MICTAR sorties, thereby permitting other units to continue essential work at Bikini. YAG 39 was actually employed in an early MECTAR sortic laying fallout buoys for Project 2.5s. As tender to the YAOs, Milala was employed almost exclusively on Project 6.4, assisted at shot times by TARAKONI. A PAYS especially equipped to control the drones was used entirely on this Project. Two helicopters of REE-362 were also fitted with drong control gear to back up the P2V5 if necessary.

Kinor support

26. Boat roal boats sesisted two of the three projects requiring minor support. Project 1.6, a study of water waves sponsored by the





Scripps Institution of Oceanography, required an LCM especially equipped with decking, davits, a stern anchor and a fathometer to lay pressure-time guages on submerged coral heads in Rikini Lagoon. Stanford Research Institute's Project 3.2 used an LCM modified by installation of a portable fathometer, a gyro-compass with three repeaters and a taut wire sounding real to make accurate fathometer surveys of the ERAVO, UHION and ROCH graters. This LCM was also used in routine duties with the portable special equipment emporarily removed. A Project 6.6 station at Rongerik atoll was operated during UHION and TAMERE by Project personnel who lived on PC 1546 and serviced the station during brief periods ashore on contaminated Enisatek Island.

PC 1546 was stationed at Roagorik on these two shots with personnel of this Ewans Signal Laboratory Project aboard, tegether with Air Purce personnel who operated the Rongerik weather station in the same assumer.

INTER-ATOLL DEVICE MOVEMENTS

27. RELLE GROVE moved three barge loaded devices from Enimetok to Rikinis those for RCHEO, UNION and TANKEE. IST 762 moved the device for ERAVO, and LST 551 portions of the one for KOCK, since they were not mounted on a barge and, as equipped, could be better transported by LST. CURTISS, especially modified to transport and store material of this sort, carried portions of several devices between the two stolls.

130

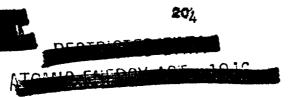
22. A study of the shot barges' configuration as compared to BEILE CROYE's well dimensions conducted long before the operational



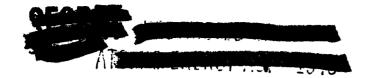


period began had led to the conclusion that movement of the barges in BELLE GEOVE was practicable. Some adaptation was necessary, and since the design of the barges was already fixed, the adaptations were made in BELLE CROVE. Frier to her departure from San Diego the afternsection of her super-deck (over the well), was removed and left behind. Two more sections of this deck were taken off at End-wetch and stored on Parry Island until the end of the Operation. By retaining these two sections until har arrival in the forward area BELLE CROVE was able to earry a larger portion of the Boat Pool's spares and equipment. A special cribbing and shoring had to be installed in the well before each barge was loaded, and removed after the barge was discharged. The removal of the superdeck throughout most of the Operation hamileapped personnel based on BELLE GROVE, since by its removal she lost her helicopter landing platform.

29. Before RELLE CHOVE leaded a barge for actual detenation purposes she had benefitted by the experience gained in rehearests described in an earlier installment. As a result of this experience a standard pattern was evolved for device movements in RELLE CHOVE. On a typical movement science she transferred her Bout Pool personnel and boats to BAIROKO at Rikini, received eargo laden LCUs in her well and left for Enimetek during the afternoon two days before the device was required at Rikini. Upon arrival at Enimetek next morning the anchored off Parry Island on a berth close in and well sheltered, flooded down and discharged her LCUs, pusped up and installed the



AFWL/HO



special cribbing, assisted by TG 7.5 personnel. When the cribbing was complete she again flowed down, took abourd up to two LCUs leaded with cargo, and then was ready to receive the barge. Shortly after moon the device burge was brought out, placed in position astern, and warped into place over the special cribbing. Ballie CROVE then pumped up, installing shores, chains and cables meanwhile to secure the barge in the well. She was then ready for the movement to Rikini.

Increase the stoll afforded, that of Bikini Island. Once inside the lagoon she commenced flooding down. When she was anchored and ready to discharge the barge, securing sables were cast loose and the barge was started out of the well by LCMs. It was then taken in tow by an ATF and delivered to the shot site where LCMs secured it in moorings prepared earlier.

181

Il. On a typical LST devise movement the assigned vessel beached on Parry Island two days before the device was required at Rikini, and commenced loading cargo to be carried in addition to the device. With this loading completed mext day about moon the device, leaded in its special trailer, was towed to the LST by tractor. The complete equipage, device, trailer and tractor, was taken aboard the LST, secured for the veyage with specially fabricated cables and chains and screened from observation by canvas awnings. The LST them retracted and sailed that afterion for Rikini. There the LST beached on Enimen Island and





an LCU beached alonguide. The entire device unit then was taken from the LST, leaded in the LCU, transported to the shot island and there disembarked.

Security During Hovement

All device movements between stells were excerted. In each 32. case a Task Unit was formed, commanded by the senior officer in the vessels involved, composed of the ship transporting the devices, one or more escort vessels, and a VP-29 patrol aircraft. The LST or LSD received its surface escort prior to the commencement of leading, and ; retained it until the device had been discharged. In the case of LSD movements the escorting vescel remained until the barge had left the LSD, after which the normal security assaures in effect at Bikini provalled. For the LST the except was terminated when the device was offloaded at Eniman. Security guards for the device within the LSD or LST were provided from CUNTISS' Marine detachment. It had originally been plasmed that this be a responsibility of the Task Group 7.2 Military Police detachment, but use of Marine Corps personnel, since they were available, was considered more appropriate. The Karine guard relinquished the watch to Military Police personnel when the device was discharged at Enimen Island by an LST, but continued guarding barge-loaded devices until the pre-shot evacuation on shot day minus-one. Emroute to Rikini the LSD or LST steamed at maximum speed under conditions of darken ship and radio silence, without resert to weaving or sig-magging. All ships in the Teak Unit had full boiler





were made by Operational Immediate classified message. The Task Unit Commander and Commanding Officer of the transporting ship had the usual instructions for jettisoning the device should circumstances require it. Scientific personnel accompanied the device to tend it and act in an advisory capacity. All device movements were completed in a satisfactory memoer.

LST BEACHINGS

33. During the operational paried the shortcomings of the LST beach at Snimman Island, Bikini continued to present a major problem, swery LST that beached there during the operation - four vessels in all - were used at various times - was damaged on this beach. Despite the hazard involved the LSTs beached and retracted at Enimen 17 times between 24 January and the detonation of MOON on 7 April, moving ever 6500 measurement tons of cargo between the two stells.

34. There was no remedy for the difficulties presented by the condition of this beach. The coral bottom with its unsuitable gradient, the short pier, the strong winds from the port quarter and the undesirable movement of sand and coral fragments on the lagoon bottom by wave action and currents were a combination that could only be endured out of operational necessity, not corrected. The change in the shot schedule that moved ENOS shead to 7 april in effect solved the problem, at least as far as Operation CASTLE was concerned. The shot, fired on the western end of Enimes near the LST landing, obliterated the pier and eliminated any further need for beaching on the island.



Fortunately, no ship incurred damage on Eniman sufficient 35. to put it out of commission. The only severe bottom damage incurred by an LST beaching was received by 1ST 551 at Rongorik carly in the operation. LST 762 was placed in upkeep status for 2) days to replace an inoperative main generator and for other repairs, and concluded the operation with a broken main shaft, but these essualties were not directly attributable to her repeated beachings at Enimum. But all LSTs had their operating efficiency impaired by spring boxs, holed holls, and bent screws. The most significant beaching accident at Bikini occurred on BR: VO minus three days, when LST 825, beached and fully laden with cargo being evacuated from Enimen, was unable to get off the beach. Efforts to essist her to retract more unsuccessful until 36 hours later, at 1000 on B-2, when on a high tide, will all eargo unloaded, the concerted efforts of two ATFs, 15 LEEs and her engines backing full freed her from the beach. The action of the currents had built up a sand bar under her, just forward of the stern. while she was loading. This same sandbar continued to add to the LSTs! troubles throughout the period.

RADIOLOGICAL SAFETY

Jo. During the latter half of the CASTLE test series, radiolegical safety in the task group became a relatively minimum problem. The task group's experiences with radioactive contamination in BRAVO made all subsequent contacts with this phenomenon appear minor, as they actually were in comparison. We ships received any significant



contamination from fallout on either UNION, YANKEE or NECTAR.

Occasional operations in slightly contaminated water were conducted but without ill effect on either ships or personnel. Some VP-29 aircraft received slight contamination in their post-shet flights, as did some of the HAR-362 hillicopters.

Small Craft

37. The Boat Pool LCUs, and the two barges, YCV 9 and YC lOSL, that were customarily moored or anchored in Bikini Lagoon during shots were again contaminated on UNION and TARKER. The intensities / after UNION averaged between 100 and 200 mr/hr, but the contamination was particularly tenscious and was not materially reduced by salb water flishing. Repeated scrub-downs with strong solutions of detergents and live and wire brushing of "hot" spots brought the levels down sufficiently to permit operation of the graft on UNION plus three days. The intensities after TANKES were such higher, with average readings of about 3 R/hr and some as high as 7 R/hr. Initial decontemination assumes reduced the levels to a 350 mr/hr average, but thereafter intensive efforts reduced them only very slowly. Complete decontamination at this time would have required extensive removal of the surface paint or rust with rotary powered wire brushes. This was not attempted; the future employment of the craft made such an future sive operation unnecessary. Further use of the two barges was not contemplated. By the time they reached Pearl Harbor under tow it was expected that the combined action of radioactive decay and constant

SECRET 209

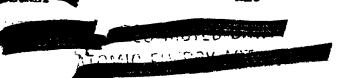
50



washing by breaking seas would reduce the radiation levels to a point where little or no shipperd decontamination would be necessary. The LCUs were required only for roll-up of Bikimi and Rongerik. They were decontaminated to an average reading of about 30 mm/hm, parmitting their cross to operate them for short periods of time without acquiring too great dosages. The cross did not again move back and live aboard. By TAHRES plus ten days the LCUs were reading an average of 10 mm/hm. Decay during the period from their release from GASTLE to their resumption of operations elsewhere was expected to reduce their contamination sufficiently to preclude shippard decontamination. One was loaded aboard BELIE GROWE for shipment to Pearl Harbor, three were left at Eniwetok to small lift to the mestern Pacific.

IAGG

36. The biggest decontemination problem presented to the task group was that of the TAGS. For experimental purposes they were purposely exposed to heavy fallout on three shots, ROMEO, UNION and TARKEE. TAG 39 was equipped with washdown gear, TAG 40 was not. By keeping the two anips in close company and operating the TAG 39 washdown gear, comparison of contamination levels on the two ships served to show the washdown gear's effectiveness. Decontemination after each shot was necessary to permit manual operation of the graft up to shot time minus a few hours on the subsequent shot, and to get a true picture of new contamination received. Initially both ships were operated as drones maneuvered from an airborne control station





while in a fallout area. Difficulty was experienced in maneuvering the two ships close enough together to obtain a true comparison.

YAG 39's washdown gear was effective enough in holding down her contamination levels to permit her to be manned by a skeleton crew during the latter shots. This was done successfully on both UNION and YANKES.

39. Decontamination of the TAGE was a wholesale effort supported by large numbers of personnal from other task group ships. The operations were carried on with the YAGs at socrings in Eniwatek / lagoon and were essentially a large scale application of the methods employed in decontaminating the Boat Pool boats. After TARKEE an intensive decontamination was carried out to permit the ILG crows to live aboard on the return voyage to the United States. By 25 Mar everage topside readings on IAO 39 were down to 7 mm/hr with everage interior and below deck readings of 2 mm/hm. It was expected that these levels would be down to 4 mr/hr and 1 mr/hr respectively upon arrival in Pearl Harbor, and to 3 mr/hr and 0.5 mr/hr upon arrival in San Francisco. YAQ 40's intensities were considerably higher: 10 mr/hr topside and 8 mr/hr inside and below decks on 25 May. Intensities in these locations were expected to be 25 mm/hr and 4 mm/hr respectively at Pearl Harbor, 15 mr/hr and 2 mr/hr at San Francisco. Hany YaC personnel had already received dosages in excess of 3.9 H; CITY SEVEN greated permission for them to accumulate larger desages in order that the younge could be made. YAO 39 personnel were expected





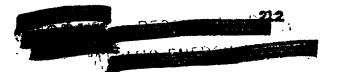
to receive between 0.5 and 1 R on the trip to Peurl Harbor, YAG 40 personnel between 3 R and 5 R. Their total desages after the trip, while high compared to the Task Force Maximum Permissible Exposure of 3.9 R, would be well below 15 R and would represent no health hazard. Two men with high desages were transferred from the IAGs to the MOLALA before departure from Enimetek. Additional transfers were to be made at Pearl Harbor where replacements could be obtained, if actual accumulated desages warranted such action. Stringent redictional safety precautions were prescribed for the voyage. MOLALA and the IAGs departed Enimetek 26 May.

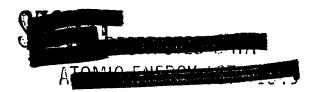
Radiological Clearances

40. All other task group units left the forward area with radiological contamination no substantial problem. They were all granted operational or final radiological clearances prior to or shortly after their departure. A few had "hot" spots acquiring handling radioactive equipment during the roll-up; these were to be decontaminated enroute. It was not expected that any would require ship-yard decontamination. Fersonnel dosages, while they had continued to increase slightly after ERAVO, generally remained well within the Task Force EFE, except in the case of personnel who had appreached or exceeded this limit early in the operation.

BOAT POOL OPERATIONS

Al. The Newy Best Pool operated a total of 29 boats; 5 LCU; 19 LCM; 1 LCPL; 2 LCPR; 1 AVR; 1 MMB. 1 LCM was assigned to the Underwater Detection that at Enimetok, and 2 LCMs and the 1 LCPL





were stationed there also, supported by the Task Group 7.2 sayy detachment, and operated at various times by the Many staff ashore on Parry Island, Enimetek Marbor Control, and SOPA Enimetek. The remaining boats formed the main body of the Boat rool, based at Bikind. The Boat rool was under an officer-in-Charge, LT B. R. Matkins, USB, with three officer assistants, and approximately 225 enlisted personnel manning and maintaining the boats.

- 42. Primary support for the Boat Fool was furnished by BELLE UROVE. To provide additional work and stowage space a covered barge (IFN) had been brought to Bikini, and was fitted out by Boat Pool personnel. During periods when BELLE GROVE had to be absent from Bikini, BAIROKO usually took over her boat pool support duties. Upon occasions CURTISS and LST 762 performed this task.
- in BELLE GROVE, on 20 January 1954. Advance groups of boats and personnel had arrived in November and December 1953. The Boat Pool had overhanded its boats completely before departure from Coronade; all were expected to be one humined percent operational two days after arrival in the forward area. A few minor mechanical difficulties occurred the first few days, but all boating requirements were met. Boat creas were briefed on Bikini stell conditions, and sent out on jobe with the civilian contractor's boats, already operating at Bikini for some time, in order to acquaint them with the landings on various islands, and the courses, time and distances and navigational

54





data pertaining to the atoll.

- 44. The contractor's Boat Fool and the Navy Boat Fool provided a coordinated boating service to all tank groups at Bikini. Boat assignments were made by a joint scheduling panel which met nightly on Eniman Island and allotted boats, based on users' requests for service. The Navy boat dispatcher's headquarters was on the IFM.

 In addition a Havy dispatcher was stationed with the contractor's boat dispatcher on Eniman to coordinate the use of Navy boats by the civilian task groups. All boats were radio-equipped. In time all major ships were furnished boat pool radios as well to facilitate contact between boats and quarterdeck personnel. After ERAVO the contractor's boat dispatcher moved aboard AINSWORTH, and the scheduling panel met there. This joint operation functioned very smoothly, despite some early misgivings on the part of both participants.
- A5. Bost operations at Rikini were complicated greatly by the normal choppy state of the lagoon. The location of the base of operations in the southern end of the lagoon, with shot sites generally in the northern end, caused the ship anchorage and principal boating area to be almost an open roadstead. While the reef did break up the ocean swell, the lagoon was so large that the southern anchorage had no shelter whotsoever from the provailing northeast tradewinds. The winds were seldom below 17 knots and were frequently in excess of 20, with the lagoon in a constantly choppy state. Thenever the minds exceeded 20 knots the lagoon waters were rough, with a swell that



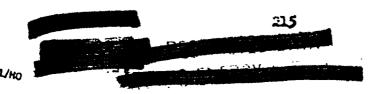


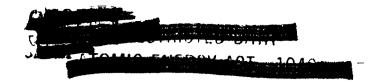
made boating hazardous. Ships at anchor could not stren their boats to booms without danger of lines parting or cleats carrying sway, and in any event their boats were too small to carry more than a few passengers safely except on unusually calm days. As a consequence ships depended on the Boat Pool for a great deal of their boating requirements.

46. The Like were the "work horses" at Bikini. They made a total of over 14000 trips, carrying 4400 tens of cargo and over 47000 passengers. While many of the trips were short ones, from ship to nearby ship or island landings, these figures represent noteworthy accomplishment by the Bost Fool.

A7. The Bost Pool's LCUs, except for LCU 1348, performed a variety of services, of which about 75% involved carrying cargo between Enimen and other islands, and to ships. LCUs also laid and picked up buoys, carried recreation parties and launched and picked up DUESs. LCU 1348 was employed almost exclusively in support of Project 3.2. On several occasions LCUs leaded with equipment were lifted in BELLE CROVE and carried to Enimetok and back. In 1 February 1954, LCU 1225, towed by an ATF, carried Air Force equipment to Rongerik stell to complete the job of establishing a weather station there, began in January by LST 551. Navy LCUs assisted in rolling up this station after SECTAR was fired.

46. The two LCFRs and motor whale bost were used to transport bost crews between ships and the bost movings, and for a variety





of odd jobs in the anchorage off knimms. The AVR was turned over to BARRORO for SAR duties, and occasionally made special runs in the lagoon, although the waters were usually too rough for her to be considered as a confortable means of transport tion.

49. The Boat rool was able to maintain its boats in full operational condition only because it had some to the forward area with a complete supply of spares, adequate maintenance personnel and the equipment necessary to effect extensive boat repairs. The boats' employment in rough seas with frequent landings on rough coral beaches resulted in rocurring minor hull damage. To keep the boats available for daytime use the maintenance and repair work was normally done at night. Each boat received an inspection before securing for the might, and necessary repairs were accomplished before its first scheduled run next morning. Haintenance and repair personnel logged a total of over 10,000 hours work on the boats during the Operation. At Bikini they performed considerable maintenance and repair on Holmes and Harvor boats, a service Holmes and Harvor reciprocated by repair of Mayy boats at Entiretok.

fiel igopter operations

50. The 12 Hist 362 helicopters, 20 pilots and 100 ground personnel assigned to CASTLE from MCAS El Toro, California, with temporary assistance from 3 Air Force helicopters prior to HRAVO, effectively carried out the Havy Task Group's mission to operate a ship to shore and inter-island helicopter lift system at Bikini to support



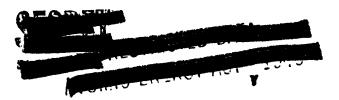


pre-shot operations and post-shot flights for camer survey and recovery of scientific data.

The helicopter squadron was attached to BAIRDKU for the operation. Frior to BRAYO, 6 sircraft were based schore on Eninmen Island with pilots and minimum ground craws. Assisted by the .ir Force planes they flow two continuous camibus schedules during daylight hours, one clockwise, one counter-slockwise, around the stolle with stops on islands where work camps were established. Passenger space for personnel of TG 7.1 and TG 7.5 was controlled by a civilian dispatcher employed by Task Group 7.5 who worked in close coordination with the HER-362 duty officer at the Eninaen *sland helicopter pad. The remaining sircraft were retained aboard BARDAD and used for shipto-shore flights and special flights coordinated through GTG 741 operations representative on Eminuan. The aircraft were rotated between ship and shore for smintenance which was all performed abourd BAIROKO. In midition to the CVE only one ship, ESTES, had a helicopter platform in place. Since the was seldon at Mikini during this period the thipboard terminal of most ship-shore flights was Balkoko. ICV-9, a barge provided for use as a helicopter landing platform, was anchored near CHRISS, tending the shot site, to provide helicopter service to personnel based aboard. On later barge shots the YCV served the shot barge in a similar manner.

52. After BRAVO the Air Force helicopters were returned to Briwetok, and all local air transportation at Rikini was provided by



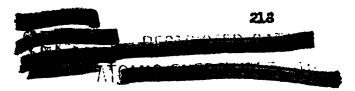


the Marine aircraft, operating off BUNDAN. Operations were directed by the CVE's Air Operations Section in close limits with CTG 7.1 operations representatives now based aboard EARCED to coordinate TC 7.1 and TC 7.5 lift requirements.

53. The helicopter sirlift was conducted without a serious personnel casualty. One major accident occurred on 28 January when an aircraft crashed on dack upon take off from the BAIRORO, due to a mechanical failure. Passengers and crew escaped with minor bruises. The landing signal officer was slightly injured when he was struck by a fragment of the rotor blade. One aircraft made a forced landing on a sandapit at Bikini Island on a ROMBO minus one day while evacuation for the shot was in progress. So one was injured; the aircraft was repaired and returned to BAIRORO without any significant delay. With most flights conducted over water, and many over extremely radioactive areas, BAIRORO exercised close control during all flights, with helicopters making frequent position reports. Ascort belicopters often accompanied aircraft on missions over whot a areas.

LIDS TO NAVIGATION

54. Prior to arrival of the task group in the forward area a navigational buoyage system had been installed at Mikini and channels and turning basins wiredragged and narked. A special limited edition of the HO Chart for Mikini Atell had been prepared and issued to task group ships. Arrangements had been completed with CTG 7.5 for retention of structures on islands of the stell for use as navigational





aids. Even before the first shot of the series two buoys were missing, presumably due to the high winds and rough seas that prevailed at Bikini. Thereafter, wind, wenther and the blast and water wave effect of the shots severely crippled the buoyage system and eliminated many of the shore structures that ships had been using for landmarks. The blast and water waves following shots had no appreciable effect on unlighted buoys at all distant from the zero point, but deranged sany of the lighted buoy aschanisms even at relatively great distances from the detonation. Lighted buoys close to the shots usually had their upper structures blown away, and often sank several days after the demage was received, presumably from slow leaks. The lack of lighted buoys made night movements in the lagron and through the entrances particularly hasardous. For this reason night movements were held to an absolute minimum. The absence of good landmarks made offshore navigation difficult.

55. There was no arrangement for repair or replacement of busys by the Coast Guard as the operation progressed, nor was there a supply of replacement busys available. Limited repairs were undertaken by BAIRORD, CURTISS and the Best Fool under the Bikini Harbor Unit, using busys recovered after they sank or went admift. When night movements were planned as they were in sorties for some of the later shots at Bikini, seedrome marker lights were placed on essential but importative lighted busys.

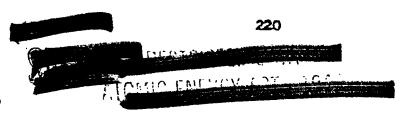




56. CTG 7.3 has made a detailed report of the condition of the bikini buoyage system to the Navy Hydrographic Office for reference use in preparing the lagoon for future operations.

MOORING BUOTS

57. Considerable time and expense went into the provision of adequate mooring buoys at both atolls, particularly at Mikini. There a full set of small graft moorings was planted before the operation began, along with three telephone equipped large chip mooring buoys. During the operational period the small craft moorings were but to full use, in fact more of them would not have been emiss. Up until the first shot the large buoye at Rikini were used regularly by BELLE CROVE and BAIRORO, and by ESTES when she was at Bikini. After ERAVO little use was made of the telephone buoys. The telephone equipment was rendered inoperative by the shot, and the frequent sorties and unshheduled movements to which the large ships were subject made anchoring more practical than mooring. AN/TRC radio telephone equipment and other voice radio circuits effectively substituted for the loss of the telephone system, except that they lacked the security of the telephone system. The large ship scorings at Enimetok were little used since after BRAVO the ships were seldom there long enough to warrant mooring. The in-ort DDE at Eniwetck was the principal user of the telephone buoys there, regularly mooring to one off Eniwetok leland.





LOCISTICS

- 1. In preparation for GASTLE all ships and units had been directed to prepare for a 120 day operational period at a location remote from supply points. All units were to be self supporting to the greatest extent practicable, with the large ships assigned responsibility for the support of smaller ships whose capabilities for self support were limited.
- 2. CIRCPACELT exercised his responsibility for logistic support of Joint Task Force Seven through his principal logistic agent, COMMENTAG. Supply of aeronautical material for nevel air units was the responsibility of COMMENTAGE. COMMENTAFRON was assigned responsibility for coordinating the logistic support provided by Nest Coast activities.

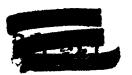
RESUPPLI

All refrigerated provisions were ordered through CHEMENEAFRON and shipped by Maral Supply Center, Cakland in regularly echeduled CHEMENPAG refrigerator vessels as cargo consigned to the individual requisitioning ships. "Reefer" schedules were adequate, the larger ships with adequate storage space seldon lacked fresh or fresen provisions in good condition. Smaller ships with insufficient storage space to maintain stocks between supply ship schedules had to depend upon the larger ships for assistance they were not always able to give, and as a consequence were not always as well supplied.





- do Remirements for dry provisions, clothing, small stores, ships store stocks, general supply materials and spare parts were submitted to Mavel Supply Center, Oaklami and shipped as consigned cargo in regularly scheduled cargo ships. Their schedules too, were adequate, but an abnormal length of time was required to obtain delivery, often from 30 to 60 days after submission of requisitions. Unusually high usage rates on many items led to heavy requisitioning despite the 120 day supplies stocked for the Operation. Unexpected developments such as the full-time presence of large numbers of excess personnel aboard ship at Rikini after RRAVO contributed to this high usage. Loss of the recreations area placed a heavy drain on ships store stocks of recreational gear. Decontamination operations consumed huge stocks of supplies. Unable to foresse a definite eming date to the operation, ships were forced to continue ordering to keep adequate supplies on hand.
- 5. A number of problems arose concerning delivery of supplies and refrigerated cargo. The frequent scheduling and postponements of shots complicated the entry of supply ships into the area and their movements between the two stolls and on to their maxt ports, requiring careful monitoring of their operating schedules. At Bikini the frequent movements of ships on short notice made it difficult to schedule supply ships into that stoll with sufficient time to unload. Since Boat Pool assistance was needed in the unloading process, sare had to be taken that the unloading did not interfere with essential best schedules in support of the test operations. Loading consigned



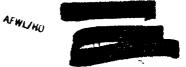


cargo without knowledge of consigness' operational commitments at the time of unloading inevitably resulted in the necessity of tunneling for stores, overcarriage of cargo and unnecessary handling. Transhipment of cargo between atolis was a normal occurrence. There were no adequate and secure facilities ashore at Enimetok for temporary storage of Many stores officeded for transhipment. Losses due to misplacement, pilferage and exposure to the elements resulted.

Occasionally supply ships carried two scheduled assignments of provisions for a single ship, beyond the capacity of the consignee to receive. Mequate shore storage would have benefitted the task group greatly.

PUR REPLENISHEN

6. Replemishment of fuel presented equal difficulty. The complications arising from shot postponements and frequent ship movements at Bikini affected refueling even more than they did the other supply vessels, since it was usually necessary for the larger ships to get underway and remain at sea for several hours to receive fuel. Wind and the lagoon currents caused ships at anchor to yaw over a wide arc, and a frequent swell made lying alongside undesirable. Fueling schedules were developed to meet the situation prevailing upon the arrival of a tanker, and by judicious topping off of smaller ships by larger ones prior to the tanker's arrival the number of ships refueling directly from SERVPAC tankers was held to a minimum. ALMERGIE, the MSTS transport, presented a particular problem, for she had never fueled at sea, and one refueling was essential before her





departure. Eventually an opportunity was found to send her to kniwetok where she was fueled at anchor by YO 120.

7. At Enimetok the lack of short storage for Havy special fuel oil presented a problem. Storage affect was provided by NO 120 with a capacity of only 6000 barrels. Between monthly SLRVFAC oilers the DDEs at Enimetok could soon exhaust the NO's fuel supply. With CUMTISS, ESTES and BAIROND at Bikini after BRAVO the DDEs were left without a source of fuel short of a trip to Bikini to fuel from one of the larger ships. Considerable planning to take advantage of scheduled inter-atoll movements and careful expenditure of the NO's supply were necessary to keep the Enimetok DDEs fueled.

AVIATION SUPPLY

solved with the assistance of Maral Station Emajalein and Maral Air Station, Darber's Point supply activities. The P2V6 was a new air-craft; the usage data from which allowence lists for the Operation were derived was based on estimates, and experience with similar type aircraft. As soon as operations commenced it became obvious that stocks of many items were inadequate. Within the first 60 days the squadron had to submit almost 1500 APA requisitions. Seventy percent of the requisitioned items were furnished on a ready issue basis by the Emajalein base supply department, backed up by Barber's Point. The remainder were furnished through regular supply channels. As the Operation progressed the squadron procured material through regular channels on a priority basis and built up its own supply stocks.





MAINTENANCE AND REPAIR

Repairs to ships, bosts and sircraft in the forward area were accomplished without the facilities of a repair ship or base ashore. The principle of self-sufficiency applied here as well. When maintenance and repairs in small ships were beyond the canacity of the ship's force, BELLE GROVE, ESTES, BAIRDED or CURTISS furnished assistance. The Boat fool had its own repair section. supported by BELLE CEDVE. They essisted Holmes and Marvor in effecting repairs to the contractor's boats at Rikini, and in return reseived some assistance from Holmes and Marver in the repair of Bost Pool beats at Enimetok. The aviation units had their own maintenance organizations. In most cases ships were able to effect repairs successfully without outside assistance. Holmes and Harrer aided 157 762 in installing a generator at Many expense. LST 762, LST 551 and CIPSI were forced to return to Pearl Harbor for major repairs. APACHE obtained repair assistance at Mayal Station, Evaluation. The biggest problem in maintenance and repair was the impossibility of ships observing proper upkeep schedules. All suffered to some extent from this lack, with the busy smaller ships, the LSTs, ATPs and DDEs suffering the most.

RECREATION

10. A highly successful and well organized recreational area for the task group was established early in the Operation on Rikini Island. Task group personnel built the recreational facility under the direction of Commanding Officer, USS BAIROKO. Funds, equipment





and athletic gear were borrowed from CONSERVPAC. Bikini afforded a sminning area, baseball and softball diamonds, horsenhoe pits and facilities for other games. Buildings left from Operation CROSSROADS were repaired and used as clube, where been, liquor and soft drinks were available. Ships held berbecues and picnies; on several of these the hill-billy band from CURTISS provided amsic.

- 11. When MRAVO contaminated Eikini use of the area had to be discontinued. After radiation intensities had decayed enough to permit work on the islami for short periods the equipment installed ; there was recovered, and later returned to COMSERVFAC along with the funds borrowed to finance the venture. Profits from liquor, beer and soft drink sales were more than enough to repay the loan, the excess was distributed among task group units! recreation funds.
- 12. After the loss of the Bikini recreation area no shore-based recreational facilities on such a scale were again available at Bikini. A small islami across the lagoon "cool" enough for occupancy was used briefly for beer and saimning parties. It was heavily contaminated on the third shot. Late in the Operation contamination on the desolate tip of Enym Island was found to be low enough to permit its use by recreation parties. Three tents, and a refrigerator recovered from Eikini Island were installed there. One drowning occurred in the lagoon off this island. Shipboard recreational activity substituted, not too effectively, for the lack of a suitable land area.
- 13. For the few ships at Enimetok, CTG 7.2 recreation facilities were made available. Japtan Island at Enimetok, where the Mavy rec-





reation area was located during Operation IVY, was used occasionally by ships' recreation parties. Although no attempt was made to install any facilities there it provided a good location for swimming and shell hunting.





VII

COLUMNICATIONS

- 1. The communications facilities of the task group headquarters ashore were fully activated by 24 January 1954, when CTG 7.3 and the remainder of his staff arrived on Parry Island. In addition to the all-Many CM and UHF voice circuits operated by flag personnel, the facilities of the CJTF SEVEN teletype message center were made available to CTG 7.3, for use in handling inter-stell and cut of the area traffic.
- 2. The major communications training aims during the period CTO 7.3 was ashore were to familiarise Navy communication personnel with both the task group and task force organizations; to attain efficient operation of Navy menned CN and voice circuits, and to accustom naval personnel to the joint communications procedures prescribed for inter task force communications.
- 3. Good communications between such widely separated but interdependent units of the task group as the security forces, which included VP-29 on Emajalain (served by joint Havy-Air Force facilities),
 fighter elements on Enimetok and Rikini (served respectfively by Air
 Force and Army facilities), surface security elements affect in DDEs,
 and the 7.3 Unicroster Detection Unit at Enimetok (served by Army
 facilities), required a practical knowledge of traffic rosting and
 local precedures on the part of supervisory and operating personnel.
 A growing familiarity with task force call signs, an increased understanding of alternate means of communications, and the establishment





of standard procedures for the handling of routine task group operations, enabled the headquarters and affect communications centers to carry the rapidly increasing volume of traffic prior to BRAVO.

- Resential to CTG 7.3 was continuous CH contact with all units afloat, including those with a limited number of communications personnel and equipment. Rornal flest operations did not provide Many operators with the experience they needed to operate and control successfully, high speed CW circuits like the Task Group CH Common. with from 15 to 23 stations on the not. Dispersol of task group units between stolls, which precluded extensive use of visual and voice communications, and a reluctance to willise fully joint ship-shore teletype facilities, resulted in an overload on CW circuits which threatened to break down effective communications between CTG 7.3 and units outside of visual and UHF range. Marked improvement in operstor proficiency as a result of experience on the directts, combined with strict circuit discipline exercised by not control, pooling of the best qualified operators on large ships, and indostrination of communication officers upon arrival of ships in the area, greatly increased the efficiency of Mavy CW circuits.
- 5. Task (Youp 7.3 personnel, accustomed to Many teletype and radio telegraph procedures, encountered some difficulty in using the facilities of other task groups, and with the joint teletype procedures prescribed by CJTF SEVEN. Basic differences in service operating practices, such as the use of predetermined routing and transfer of traffic from CH to teletype circuits by the Many, or the use of codress





headings and procedures adapted to strictly "point-to-point" communications employed by Army activities, required both experience and resolution on a command level before maximum Havy use of the extensive teletype facilities of the Task Force was effective. Promulgation by CJTF SEVEN and CTO 7.3 of a standard routing for teletype traffic, reduction in the use of codress headings by JTF SEVEN activities, and increased familiarity with joint procedures and the operating practices of the Edinstok Relay Center, increased the efficiency of Havy use of the joint ship-shore teletype nets.

- installed for joint use at Parry, Enimetok, Evajalain, Sikini, and aboard ESTES and BAIROEO, proved to have limited use in TO 7.3 communications. Used successfully by staffs embarked in ESTES for "point to point" communication, they appreciably reduced the crypte load at the shipboard terminal. However, messages eriginated by shore-based commands, addressed to task group units afford and encrypted by these devices, placed a recognytion responsibility on shipboard relay centers, and thereby increased the workload and overall delivery time. Sigtot equipment was not used by CTG 7.3 after he moved to USS CERTISS on 6 March.
- 7. A heavy requirement was placed on the Havy crypto facilities ashore and affect, by the differences in cryptographic allowances of units union CTG 7.3 sperational control. In anticipation of
 a high parameters of energyted traffic during CASTLE. Havy Class ITI



(machine crypto system) allowances had been obtained for all TQ 7.3 ships except the USES FRED C. AIRSHORTH, and IAG's 39 and 40. AIRSHORTH did not arrive in the area until just prior to ERAYO. Employment of the Tag's prior to MUNO was such that mail or guard mail delivery of classified messages was an acceptable alternative to smitiple encryptions. After RRAVO the Project 6.4 headquarters on Parry Island socepted communication responsibility for the YAGs when they were in port at Eniwetok, and ENALA acted as guardship for them when they were operating at sea during chots. After BRAVO, a class III allowance was placed aboard the ALASWORTH. At no time was GTG 7.3 shie to send urgans classified matter simultaneously to all ships in the task group by means of a single machine encrypted message. Unscheduled replacements and additions to the task group continued the necessity of sultiple enoryption of all messages sidressed to "T.G. 7.3". Incorrect use of Class II cryptosystems by task group units resulted in mine reported incidents involving practices dengerous to security.

8. The passage of time, during which communications procedures for routine TG activities were standardized, the movement of CTG 7.3 affect, and the concentration of ships within visual and voice communication range at Bikini, all served to increase the efficiency of Havy communications. The proximity of ESTES, BAIROKO, and CURTISS at Bikini after HRAVO permitted the establishment of AM/TRG telephone and teletype nets to serve staffs embarked, which materially reduced requirements placed on CE and ship—shore facilities. Use of UEF voice nets, and





authorization by CTG 7.3 for the transmission of confidential messages in the clear by visual means lessened traffic on CH circuits. The centralisation of the ship-shore relay function and not control of the task group CH common aboard the flagship further reduced relays, and increased ship-shore flexibility.

CHEUNICATION REFIZARSALS

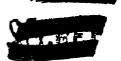
9. A Task force communicators conference was held at CJTF SEVEN Headquarters on 9 February in preparation for the first full scale shot rehearsal. Included in the agenta was a discussion on the hand-ling of high precedence "must" traffic to be originated during shot time, and destined for addressess outside of the JTF SEVEN operating area. It was concluded that all such traffic would be originated on board SSTES by staffs embarked, and precessed through an efficer watch established by CJTF SEVEN. As a result of this conference, a list was made of all persons throughout the task force authorized to release traffic aboard task group ships. CTO 7.3 promulgated this list and established the policy that commanding afficers were "not responsible for accesses released by passengers or staffs embarked, and sent over circuits afficially operated or controlled by such passengers and staffs, or for the classification or contents of messages released by individuals whose names were listed.

10. On 16 February a communications rehearsal involving ESTES,

BAIROED, CURTISS and REMSHAM was conducted by CJTF SEVEN concurrently

1. CTG 7.3 Instruction 02300.2

13

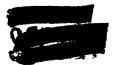


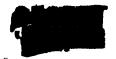


with the TG 7.4 air reheared in the Rikini area. Air control and ship-shore circuits were activated, in addition to all normal underway circuits. The voice-time announcements originated by the firing party in the Enya Island bunker were received and rebroadcast on the UMF administrative net from minus 3 hours to the simulated shot time. These announcements were rebroadcast over ships' public address systems to insure that all participants and observers were prepared for the detonation. REMENIAN's and CHRIESS' homing devices were tested. The Enimetok-ENTES MUX circuit was unsatisfactory due to inoporative transmitters at Enimetok, and the ENTES-Enya ciphony circuit was activated late due to defective crystals. Aircraft communications proved satisfactory. CTG 7.1 desired to consuct further rests of the ciphony and time signals operations, and they were satisfactorily completed on 17-18 February.

11. On 20 February 1954, before the reheared of HRAVO, CTG 7.3 had shifted his flag from Parry Island to BAIBDED. The communications shift was accomplished smoothly, and the task group communications activities on Farry were reduced to one operator manning the task group CM Cosmon, maintained primarily to facilitate contact with CTG 7.3 Liaison Officer at Parry Island.

12. Communications during the BRAVO rehearsal, conducted on
22-23 February, were generally satisfactory. All shipboard circuit
terminals were manned continuously for 48 hours while tests were conducted. A heavy load was placed in the task group CH common due to





the fact that UHF communications were impaired both by unfamiliarity of some units with task force calls and the location of certain ships beyond UHF range at the time. These ships were employed in continued preparations for the actual event, and simulated participation in the rehearsal by transmitting necessary reports. As a result of this rebearsal the shot-time positioning of ships was reaxamined with a view towards improving communications where possible. Ships that had to be outside of UHF range during actual shot operations were directed to maintain voice communications on the ship-shore HF voice frequency.

Daily circuit drills on all voice circuits were conjucted for several days.

SHOT TIME COMMUNICATIONS

- 13. Shot time conditions involved the rapid delivery of high procedence traffic, the reduction of traffic to the absolute minimum required to execute the event, and the provision of maximum flexibility in case of equipment failure or unexpected deployment of task group units. In addition, operations required that the Task Group Commander maintain direct control of individual units and ships rather than exercise control through task unit commanders. Rapid and direct sommunications with logistics and itinerant ships within range of fallout was also essential. To meet these requirements, supplementary communications instructions were issued before each shot. The ERAFO instructions directeds
 - a. All ships to test all equipment at least 36 hours prior

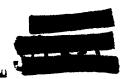


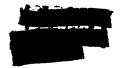


to shot time and notify CTG 7.3 of any inability to carry out shot time requirements.

b. All ships to provide continuous guard on the primary tactical and UHF administrative nets, and all ships with two or more operators to guard the TO CH common continuously, commencing at 0800 on shot day minus two.

- e. Activation of all aircraft control circuits by ships involved.
- d. Activation of a direct ship-shore CH circuit between ESTES and Eadio Peorl.
- 14. At 1200 on ERAVO minus three a final check of all curcuits was made by all ships. All underway and shot time circuits were manned continuously commencing on schedule at 0800 on ERAVO minus two. Final tests of voice time broadcasts were received on ERAVO minus two at 1415, and tests of whistle, siren and signal light shot time warnings were completed. At 0800 on ERAVO minus one traffic on task group circuits was restricted to that which was absolutely essential and related to the execution of ERAVO. These restrictions remained in effect until about 1800 on shot day.
- 15. Communications during BRAVO were very successful, due primarily to the experience gained during the rehearsal, and the circuit drills conducted subsequently. Excellent propagation conduction contributed to the success of URF communications. Use of previously designated code words, and of an abbreviated plain language system for





muster, position, and fallout reports reduced the length of these frequently recurring messages over voice circuit. On the flagship, the primary tactical and eministrative voice circuits terminated in Flag Flot, under the control of the staff match officer, and were immediately accessible to the Task Group Commander. Considerable use of visual communications was made during the hours when the ships remained in formation, on station outside the lagoon. However, traffic on the task group Cd Common became seriously backlogged.

To messages of routine precedence or below were passed for approximately 48 hours, and priority traffic was delayed for several hours.

- 16. Communications for subsequent shots in general followed the pattern established during BEAVO. There was no necessity for further pre-shot drills and rehearsals of time broadcast and other special signals; the frequent sortices provided sufficient drill. Activation of shot time circuits was deferred until 0700 on minus one day. This shortened the period from 70 to approximately 36 hours when most ships were forced to maintain a watch-in-two among communicators. CURTISS, now the flagship, set all the communication requirements imposed by CTO 7.3, but the number of control lines between Kain Comm and Radio II (4 audio and 5 CW) was a limiting factor in activating any additional circuits.
- 17. A considerable decrease in traffic during the later shots was evident. In part this was attributable to the teamork within the task group prior to these shots, and to previous resolution of problems and promulgation of directives. Originators were directed





to reduce addressees on shot time messages to an absolute "need to know" basis which reduced relays considerably. Use of a radio controlled firing mechanism aboard ESTES necessitated a period of radio silence on all circuits below 275 mes from shot minus 20 minuted until detonation. The only exceptions to this requirement permitted were essential telemetering signals, voice time broadcasts, traffic on aircraft control circuits and emergency traffic.

HOVELENT REFORTS

18. Encrypted reports of sovenests of ships and units within the area constituted a large percentage of traffic during CASTLE. To expedite headling of povement reports. CITF SEVEN proposed that they be made unclassified. CIECPACFIT did not concur. On 30 Earch, CTG 7.3 promulgated a series of classified code words for use in movement reports which satisfied the requirement for classified reports. but permitted movement report messages to be transmitted unencrypted. Designated code words, classified Confidential, were substituted for "Enimetok" and "Bikini" in reseages reporting movements between these atolls, in which no other classified information was included. Special movements continued to be reported in encrypted reports of higher elassification. Incorrect usage of several of the code words, especially by linkage with identifying navigational information, compressiond the original series of code words. Temporarily, movement reports were again classified Confidential and encrypted until the promulgation of more detailed instructions and a new series of code words which was used successfully thereafter.





MAIL

19. Delivery of mail to Task Group 7.3 was a continuing problem throughout the operation. Newly sail for the Sniwetok-Mikini area was normally forwarded from the United States via Navy Fost Office 824 at Familia. Pail so routed was often over-flown to Enimetok by MATS aircraft not stopping at Emajalein. It then had to be returned to Emajalein for accounting and sorting purposes and then returned to AFO 187 at Enimetok for local delivery to TO 7.3 units. The delay caused by this procedure, combined with adverse weather conditions during February which repeatedly held up flights departing from the United States to Hawaii, greatly delayed mail deliveries and created a serious morale problem.

a directive to LHOs to expedite small loadings instituted by CJTF SEVER, CTO 7.3 notified CHESEVPAC of the situation, forwarded a revised.

List of TG 7.3 units in the area, and requested that small leaving the U.S. be rosted by FPO, San Francisco direct to APO 187 at Enimetok.

CHESEVPAC concurred in this request, although first class, parcel post, and air small originated in Hawaii continued to be rosted via Ewajalain. Thile more direct, the revised small rosting plan placed a heavy burden on the limited facilities of APO 187. TG 7.3 furnished one Havy small clark and two season to APO 187 to assist in heading of TG 7.3 small.

21. Shipe at Enimetek drew their sail directly from APO 187. Vail for Bikini units was moved by air from Enimetek to Bikini and

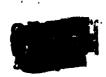




thence to Balkowo for distribution to ships. After EMAVO and the temporary closing of the Bikini sirstrip, Balkowo continued to act as the receiving and distribution point for units at Bikini, but sail was carried between Enimetok and Bikini by ship. When the Bikini airstrip responsed, sail was moved by both air and surface lift. Delivery time of air sail from the United States varied from 7 to 14 days, with occasional Jelays up to a south from the postmark date.

- OTG 7.3 to exercise command in the EDTES or at Farry Island for a day or two. In each instance, CTG 7.3 Administration remained in CHTISS. During these periods, all units were directed to address all messages to both CTG 7.3 and CTG 7.3 Admin. Both ESTES and CURTISS copied all traffic so addressed, thus insuring that all staff members and the Commander would have complete message files at all times. This procedure resulted in some deplication of massages but was considered necessary in view of the rapidly changing situation prior to the detonation of TAKKES.
- 23. The Parry leland communication facility was reactivated on a full time basis on 6 May concurrent with the shifting of the GTG 7.3 flag ashore from CURTISS. Although shot-time communications were handled aboard CURTISS when HECTAR was fired, the shore station remained fully manned until MALACH May when the last official message was sent.





III

ECLL-UP

HINI

It had been anticipated that the Task Force roll-up would require the presence of several task group ships for a considerable period after the final shot. However the delays in getting off the shots, the early abandonment and roll-up of shore based activities at Bikini, and the location of the last shot at Enimetok Atoll all combined to reduce and in effect practically eliminate this requirement. The base at Emissen Island, Birini, was rolled-up before the third shot. Equipment on the other Rikimi islands was removed as the operation progressed and it was no longer needed there, until there was very little roll-up left to accomplish after YANKES. When the tack group headquarters moved to Enimetok for the last shot, BAIROKO. BRILE CROVE and AIMSWORTH remained behind to support the final rollup, assisted by other task group units. Before the weather permitted MECTAR to be fired the Elkini roll-up was substantially complete, with the Boot Pool standing by to be loaded aboard BELLE CHOVE. Some non-Navy material was left at Bikini for recovery in fature months after redicactive contemination levels decayed sufficiently to permit extended work on the "het" islands.

PAINSTON

2. The Tack Force and other tack groups required little Havy assistance in support of roll-up activities at Eniwetok, since the base there is a permanent one. In general ships returned to the



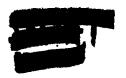


United States with the same non-consumable material they brought to the area. CURTISS carried the AEC test material and device spares for return to the AEC. BAIRORO lifted short range Air Force aircraft and TO 7.1 trailers. AINDERTH carried a small number of personnel; her passenger capacity was only partially used since most personnel of other groups returned to the United States by air.

WEATHER STATIONS

The roll-up of the Air Force Task Group's outlying weather 3. stations was accomplished by LST 551 and BELLE CROVE. BELLE CHOVE rolled-up the Rongerik station. In establishing this station in Janmary LST 551 had received serious damage in beaching, and the LST's experience, plus a naval survey conducted after YAHREE led to the conclusion that beaching there by an LST was impractical. Accomplishment of the task by LCUs escorted by an ATF was contemplated, but, as the shot schedule worked out, BELLE CROVE became available to do the job. Air Force material on the base island at Engarik included an eleven ton trailer, an imperative DHEM, radio equipment and other instruments, a fresh water distillation unit, refrigerator, a forklift truck and a number of helium cylinders. There also was a Project 6.6 ionospheric recording station with enother eleven ton trailer, a two and a half ton power unit and miscellaneous equipment. Euch of the island surface was soft sand, making the moving job difficult. BELLE GROVE took abourd two Navy LCUs, one Holmes and Marver LCU, trucks and moving and lifting equipment, and with Air Force and Scientific personnel aboard to assist in the task, left for Rongarick on 14 May.





VIII

There the equipment was moved to the beach, loaded in the LCUs which were in turn loaded in BELLE GROVE's well, and returned to Eniwetok for decontamination and further shipment. Holl-up of the other three weather stations, at Majure, Musale and Ponape, was accomplished by LST 551 enroute to Pearl Harbor. The LST beached at those stolls without difficulty.

TASK GROUP

The Task Group 7.3 roll-up was largely a self-contained operation. The only naterial left in the forward area was the underwater detection installation at Enimetok. The underwater system and hydrophones were left in place; equipment above water was mothballed and left in caretaker status. Underwater Detection Unit supplies and spare parts were loaded in BELLE CHOVE with the Bosh Pool equipment. Special equipment that had been installed in ships in the forward area, including such voice radio equipment that had been loaned to the Many by other task groups or installed in ships for use by scientific or base facility's personnel, was removed and returned to its owners before ships left the area. Special equipment installations that had been made in naval shippards prior to CASTLE, including the extensive communication installation in ESTES, were scheduled for removel when ships reached their home yards. The only ship to retain her special equipment was CERTISS, since she was already slated for employment in Operation WICHAM. Ships were instructed to remove their MIHIPS designed washdown gear, recondition it, survey unusable articles





IIIY

and ship it to Haval Radiological Defense Laboratory in San Francisco for return to BUSHIPS custody

5. The return of ships and aircraft to their bases assemplished almost all of the task group personnel redeployment, since most of the over 6000 naval personnel who participated in CASTLE were members of ships' companies. BAIRORD returned with her assigned Marine helicopter squadron and fighter detachment aboard. BELLE GROVE transported Bost Fool personnel. Flag enlisted personnel who remained aboard ship throughout the Operation returned to the Mest Goast in GUETISS. / Staff personnel who were transferred ashore to Farry laland when the headquarters was roestablished there after YAMEKE were redeployed by air, along with UDU personnel. VP-29 flight crews returned to the United States with their aircraft; ground personnel and squadron gear were returned by fleet legistics flights and MSTS scheduled surface lift.





REDEPLOPMENT

In the redeployment of task group units was accomplished very expeditiously. The last shot in the CASTLE series, MECTAR, was fired at Enimetok on 14 May. On 18 May, MECTAR plus four days, the last ships sailed for home, with the exception of the Atomic Werfare Countermeasures Unit, YACS 39 and 40, and MELALA. They remained at Enimetok an additional week, working to reduce the contemination on YAC 40 to levels low enough to permit her to sail for Pearl Harbor with a crew aboard.

BARLI DEPARTURES

- 2. Three units had left the tesk group early in the Operation. On 28 February, prior to the first shot, LST 825 completed approximately two weeks duty in CASTLE as a temporary replacement for LST 551 and sailed for the Far East. On 26 March, GYPSY, relieved by USS MEED ER because of her argent need for hull repairs, sailed for Pearl Harbor. LST 1146, temporary relief for LST 762 while the 762 effected repairs at Enimetok, departed for Fearl Harbor on 4 April.
- 3. The next ship to be released was LST 762. She reported in the forward area early in the CASTLE buildup period on 13 July 1953 and under the operational control of CTO 7.2, supported the establishment of the Rikini site. On 12 April shortly after completion of the period of upkeep provided by the temporary assignment of LST 1146 she suffered a major casualty, fracture of a main propulsion shaft.





Repairs could not be effected in the forward area. The resultant loss of speed and maneuverability virtually eliminated her further usefulness to the task group. For a few days prior to UNION she tended the MECTAR site at Eniwetok, supporting the acientific perconnel engaged there in preparing for the MUCTAR shot. By the time UNION was fired work on MICTAR had progressed to the point where an LOD could take over the shot site support duties. CTG 7.5 provided and LCU for the purpose, and arrangements were completed to release LST 762 from the Open tion and assist bor to Pearl Herbor. On one engine she could make a maximum speed of only 4.6 knots; at that speed she had difficulty holding her bow into a head sea. Since she would have to head into the sees during the entire voyage, enother LST. emoute from the Western Pacific, was ordered by COMPKIBPAC to rendesyour with 762 between Enlwetok and Pearl Harbor and serve as escort. The rendezvous was effected, LST 975 Joined 762, teck her in tow to assist in holding her head into the seas, and the sice voyage to Hawaii continued. On 6 May, approximately 700 miles east of Rikini, both LSTs were slightly contaminated by radioactive fallout from Yanaka. averaging about 20 sr/hr. Both ships effected decontemination before their arrival at Pearl Harbor.

4. Next to leave were the RECLAIRER and SHEA. They had been ordered to the task group for the specific purpose of supporting the Bureau of Ordnance's mining project, 3.4. Since they had placed all their experimental mines in position on UNION, their mission was accomplished when they had completed recovery of the mines after the





blast. All strings except the first one, nearest the zero point, were recovered by 3 May, and the two ships were released from the task group. RECLAIMER's early departure was desirable because she was due in the Far East to relieve a ship scheduled for rotation. She sailed from Bikini & May for Quan. At CAMPHIBPAC's request she was diverted from a stop at Quan, but for three days followed the original routing assigned at the request of CTG 7.3 to keep clear of radioactive fallout from YAMEEE. SHEA departed Bikini the afternoon of 3 May with her first scheduled stop at Ewajalein for fuel. While there she was assigned briefly to at SAR mission, joining the successful search for mother missing British aircraft on 5 May, and then proceeded on to her base at Pearl Harbor. LST 1157, the third ship in this task element, remained behind to assist in the rollup.

st Rongerik atoll on 5 May, with TARKER the last shot in which she took part. Commonaing with the third shot, ENCE, the PC had been stationed in the stoll area to the east of Rikimi at shot time, on varying missions. On both UHICH and YARKER she was at Rongerik with Air Force weather station and scientific project personnel aboard. This stoll, evacuated because of radioactive contamination after REMYO, was still too "hot" for personnel to live assore. Since weather data from Hongerik was vital, the station was operated by personnel who lived aboard the PC and went ashore periodically to take readings.

On YARKEE, personnel of Project 6.6, operating an ionospheric recording an





station ashore, were also aboard. After YANKET was fired on 5 May, PC 1546 proceeded to Majalein where CTO 7.3 relinquished her operational control She disembarked her Air Force and Project 6.6 passengers there. After participating with SHEA in the search for the missing Writish aircraft she departed for her bese at Pearl Harbor.

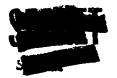
APTEN TANKES

6. With IANKEE fired, test operations at Bikini Atoll were ended, and ships not required for rollup or for RECTAR were released. On 3 May TAMADHI, her mission completed, took the now superfluous beliespter landing barge, ICF 9, in tow and departed Hikini for Pearl Harbor, where she was overdue for shippard overhaul commencing 15 May. She was followed four days later on 12 May, by MEMDER. On 13 May APAGE left Bikini for Pearl Harbor with IC 1081 in tow.

APTER MECTAR

7. There were no further departures prior to the detonation of NECTAR at Eniwetok Li May. Starting on that date, ships left daily until by 19 May the only ships remaining in the forward area were the TAGE and MULALA. Six ships sailed from Eniwetok the day the last shot was fired. ESTES and CERTISS departed for San Francisco in company. It had been decided by CINCPAC that the security measures taken on CERTISS' outward voyage in January, anti-submarine escort, partial air cover and conditions of radio silence and darkened ship, were not required for her return. Alth her partial cargo of AEC





material it was required only that she be accompanied to San Francisco by another surface vessel. LITES was assigned. The two ships were formed into a task unit with Commanding Officer, LITES the officer in testical command, and completed the voyage without incident. CLETISS discharged her AEC cargo at the Haval Pagazine, Fort Chicago and at Eaval Supply Center, Cakland, while ESTEE continued on to San Diego to prepare for deployment to the Far East. AINSERTH arrived at Enimetok from Hikimi on 13 May, embarked 9 cabin and 197 troop class passengers and departed on the 14th. for San Francisco. She was routed via Fearl Harbor where she reverted to normal MSTS employment for the remainder of the voyage. Three DDEs of Escort Destroyer Division THE VE, EPPERSON, MICHOLAS and REMSHAW with the Division Commender in EPPERSON, sailed from Emisetok the 14th. They remissions commender in off Bikimi with the fourth ship of the division, MEHLIP, and sailed for Pearl Harbor to prepare for deployment to the Ear East.

8. On 15 May LST 1157 completed her tanks at Enimetok and
Bikini and sailed for Kanjalein. Prior to her departure she loaded
two boat poel LCHs for return to San Diego, the equipment from the
navy recreation island at Bikini for return to COMSERVENC, and building material provided by CJTF SEVEN for the construction of living
quarters for the natives who had been evacuated from Rongerlap. The
natives were to be re-cettled temporarily on enother stell since Hongerlap

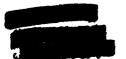




was expected to remain uninhabitable for several months. Upon her arrival at Kasjalein LST 1157 reported to Commander, Maval Station Awajalein to return the Utirik natives to their homes and transport the Rongelan natives to their new stell.

9. On 16 May BAIROKO completed loading her VC-3 detachment, the Air Force fighter planes, belieopters and L-13s, and with 7 cabin and 46 troop class passengers, considerable Air Force cargo and TO 7.1 trailers aboard, sailed for San Biego. On 17 May LST 551 departed for Fearl Harbor via Eusaie, Fonape and Majuro, where she rolled up the JTF SEVEN weather stations. From Pearl Harbor she was routed to Uakland. At Oakland she offlooded weather ctation personnel and gest, then sailed for San Biego, the Paness Canal, Horfolk and her return to the Atlantic Fleet.

she had remained at Hidiai with the Boat Pool until operations there were very nearly rolled up. On 12 May she turned the Boat Pool over to 1.77 1157 temporarily, leaded 2 LCUs, and cargo for Holman and Enver and proceeded to Eniwetok. Arriving there on the 13th, she offleaded her cargo, took aboard an additional LCU plus a caterpillar tractor, crane and truck and left for Rongerik to rollup the weather station and ionospheric observation equipment there. She returned to Eniwetok on the 6th, of May, offloaded the Bongerik equipment, took aboard the Boat Pool boats, gear and personnel at both Mikini and Eniwetok, the indersater Detection Unit equipment not left in place or in caretaker





status and sailed for home on the 18th. Three Bost Fool 180s were lifted by the FA-THE FA-REST (185-4) on 15 May for transportation to the Philippines.

- 11. Also on 18 May two more ATFs left the area, each with a tem. SIGUX picked up the Soat Pool covered tergs, YFN 934, at Bikini and departed for Fearl Earbor. COCOPA departed from Enimetok for Guan, towing the TO 120.
- 12. VP-29 completed its CASTLE mission 16 May with a final occurs
 area water survey flight for the ASC. The equadron redeployed to
 its base at Whidbey Island, Washington, commencing 21 May, with ground
 personnel and equipment returning by VR-5 special flights and by surface vessel. The two special project direraft returned to the United
 States coparately, the Project 6.4 P2V5 departing after YAMKEE, on
 7 May, and the Project 1.4 P4T2 on 14 May. The PEM stranded at Ponape
 was turned over to 60, Exv3taKwaj for disposition, the remaining PEM
 remained at Eniwetok under the operational control of CTG 7.4 until
 rollup was completed at the Ponape and Kusale weather stations.

TO 7.3.6

vessels, YAG 39, YAG 40 and their tender, MOLALA. Before their departure it was necessary to describant TAO 40 sufficiently to permit her erew to man her for the veyage to Pearl Harbor where decontamination would be completed at the Maval Shippard. Most YAO personnel had already received radiation desages in excess of the

31





3.9 R MPE; it was necessary to hold the accumulation of additional desage to a minimum figure. Decontamination continued until on 26 May, with radiation readings in spaces the Ind crows would occupy reduced los enough to parmit untiling, the Tank Unit departed Enimetok.

STAFF

Pearl Harbor he conferred with CINUTACHIT and staff personnel, then completed the flight to his Washington headquarters in the CHT SEVEN staff aircraft. To provide continuity of command during the return period, the Chief of Staff and an advence party left inimetok by air early on 15 May on a Task Force special flight to Washington, where he reopened the headquarters and est blished CHG 7.3 administration pending the Task Group Commander's arrival. Remaining staff personnel returned to Washington on various flights, with the Liaison Officer the last to leave. He concluded the final staff business in the forward area and left Enimetok on 20 May. Upon arrival of the staff in Washington work was begun immediately on the Task Group Final Suport for Operation CASTILE.





I

STATISTICS

Relicoptor Operations
Fighter directl Operations
Fatrol Squadron Twenty-Mine Operations
Boat rook LCN Operations
Rediological Contemination of ships
Rediological Contemination of ships
Rediological Contemination of sircreft
Dosage Tables
Inter-Atoll Surface Lift
Communications Traffic Analysis
Costs



Status of Allotments





PERSONNEL CLEARANCE STATUS OF SHIPS AND UNITS OF TASK CROUP 7.3 AS OF 1 HAY 1954

SHIP OR UNIX	CRANTED	Figure 1110	NAC COMPLETED	Desid Inc Nac	<u>TOTAL</u>
TAG 39	16	3	24	3	46
YAG 40	15	10	24	. 0	49
uss philip (dde-498)	13	ı	2 56	0	270
uss eppers: h (due-719)	11	1	360	0	392
uss reashan (ddb-499)	10	0	259	0	269
uss richclas (DDE-449)	12	2	258	0	272
uss tayaroni (atr-114)	9	4	66	0	79
(301-TTA) ALALOH BEU	16	4	66	0	86
USS APACHE (ATR-67)	0	0	71	0	71
uss sioux (atf-76)	.7	. 4	74	0	85
USS BAIRORO (CVE-115)	63	13	781	26#	883
USS CURTISS (AV-4)	65	8	565	0	638
USS ESTES (ACC-12)	m	21,	476	0	613
USS BELLE GROVE (LSD-2)	29	9 1	298	0	336
COMCORTJESDIV THELVE	3		3	0	7
PATROL SQUADRON THERTY-NIME COMPOSITE SQUADRON THREE		o ·	350	50*	406
HEC-362	39	13	0 62	0	37.4
USES AINSWORTH (TAP-181)	<i>7</i> 2	2	166	21.	114 191
MARINE DETACHMENT	37		22	0	66
UNDERWATER DETECTION UNIT	19	7.	Õ	ŏ	22
TG 7.3 BOAT FOOL	32	16	169	ŏ	217
USS MEMBER (ARS-2)	~	~	17	50	67
TO 7.3 STAFF	48	5	0	Õ	53
USS PC 1536	6	5 2	49	Õ	57
USS SHEA (DIE-30)		0	Ü	234	228
USS COCOPA (ATF-101)	6 5 0	4	71	Ò	81
USS 1.ST 1157	5	Ò	175	0	180
USS LST 1146		O	99	0	99
USS 157 762	26	3	96	0	125
USS 1.ST 551	17	3 3	85	0	105
YO	0	0	8	0	8
YOG	Q	0	7	0	7
TOON	_0	0	12	0	12
TOTAL	629	. 46	5003	364	6142

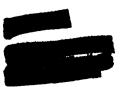
^{*} All personnel hold Interim Secret Clearance or Access to Secret pending results of National Agency Checks





Has line Tria very half halis

	Jae/Fab	MARCH	ean/hay	MOLENAL/LATOR
Aircraft assigned	12	11	11.	11.3
Average in commission	11.7	10.3	9-4	10.4
Percent aircraft available	97.5	93.6	94.9	95.3
Mighte	1123	730	825	2678
Hours flown	915	733.6	800.6	2449.2
Passengers carried	6062	4769	6662	17693
Cargo (pounds)	74555	24395	48555	147505
Accidents	1	Q	. 0	1
Cosualties	1	o	0	1





X

fluitice specient were trained

	Jan/Yeb	March	April/May	Total/Average
Arcraft assigned	6	6	6	6
fireraft available	4.62	5	4.17	4.5
Percent aircraft evailable	77 \$	83 🙎	69.5 %	75 \$
Mights	150	87	74	305
Hours	159.9	119	110.7	389.6
Accidents	o	1*	O	1
Scrambles	4	0	0	4

* One FAD-Si made a one wheel landing under HVFH conditions as the result of two fractured hydraulic lines. Class "C" damage resulted with no injuries to the pilot.





PATRIL S USDRIN T. HTV-NIMS GOVER TIONS

- **x**

TYPE FLICH: W).	OF MILITARY	HOURS FLORE	night hous	DAY ROLEGS
CARON & ADEIDS	22	50.6	4.2	46.4
а З Й	53	579.3	326.4	252.9
Sirver	27	197.5	1.9	195.6
DICART	28	266.1	154.9	111.2
Roper I	72	712.5	274.0	438.5
eur begov ry	4	36.6	1.7	34 ₇ 9
BUT EVALUATION	2	12.7	0.0	12.7
GC HEALTH AND	. 8	66.3	3.8	82.5
Safati Labortori Special project	******			
TOTAL	21.6	1941.6	766.9	1174.7



COMPOSITE SUMMARY OF TASK ORDUP 7.3 BOAT POOL LON OFFIRETIONS BIRTHI ATOLL

8.24 164.84	and the print statement for the p	and a section that the first the section is the section in the section is the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in	a an in the table of the Market State State of	ankantanka kensimita kan	en datur, kanada bahiban (9)	। जन कर्ता आरक्ष्म के "कहा कर कहा वहा कर कर करता कराया है। जनकर जनकर करता करता करता करता करता करता करता कर	CALLE SAMANE MARKET	PANE AR AR AND AND	the same and the section of the sect	and the
Boot as warmen	Total Tx	ips Trips	7.1 Cargo/to	Me Paga	Tripe 7	S Cargo/tons	8881 1484444	Trips	7.5 Cargo/tons	1266 248c
33	1145	107	54.00	191	817	100-60	3510	219	295.0	723
34	840	208	78.00	538	540	115.50	2081	92	82.0	338
35	951	132	100.5	186	692	87.00	1779	127	83.5	135
36	1240	134	31.0	380	986	127.00	2940	120	118.5	158
37	474	296	2.0	386	174	1.00	237	4	•	14
38	1029	209	58.5	522	683	134.25	2045	141	224.0	245
39	754	113	21.00	302	489	36.50	3582	151	75.5	110
40	560	108	1.50	227	359	61.00	20.89	93	140.0	93
41	937	176	80.50	421	640	80.50	3342	121	175.0	211
42	1339	224	75.50	700	670	172.25	3160	245	298.5	323
43	875	146	48.00	461	521	121.00	2215	208	322.5	477
44	1038	7		8	927	117.00	2570	104	88.5	101
45	752	62	33.25	109	934	13.00	1847	76	100.0	111
46	760	336	22.00	932	280	35.00	1247	144	227.5	207
47	863	116	9.70	266	442	48.30	2072	305	273.5	1093
49	608	_62	14.00	112	417	43.50	2196	129	153.0	253
TYPALS	14164	21.36	629.45	5745	9451	1313.40	3701.2	2279	2504.00	4842



REDICTOCICAL CINIARINATION OF MIRE

1

Contemination of ships at about time of release from Operation CANTLE

SHIP	HIGHLYT	AVERAGE	DATE OF RECORD	ate of Glease
	mr/br	mr/tor		
este3	1.5	1.0	14 hay	14 Key
CURTISS	1.8		21 New	14 Hay
BAIRORD	2.5		21 Nay	17 Hay
BELLS GROW	_		16 Hay	18 May
ALMS OPEN	-04	• CIL	20 Hey	19 Kay
RECEPTED IN	3 `	Less than 1	14 May	15 Hay
HILIP	1.1	.6	14 Kay	15 hay
MICHOLAS	0	O	14 Hay	15 May
reesh an	-4	.∵6	14 Ear	15 Hay
PG 1546	•3		7 Key	9 May
mad er	1.5	1.0	16 Key	16 Eay
COCOPA	20	Less than 1	Est. 16 Hay	17 May
SIOUX	15	1	16 Nay	17 Kay
APACHE	30	•2	14 May	16 Kay
Tarakomi	.2		18 Hoy	11 May
MILLLA	17	1	16 May	26 May
ASTE	1.2	.2	14 Ker	6 Kay
R: CLAIMFA		Less than 1	Bot. 16 Kay	7 Key
Let 551	0	6	lé Hay	16 liny
LST 762			Contaminated after	
			being released from	l
			TO 7.3 enroute Feat	
LST 1157		Less than 1	Est. 16 Kay	17 May
LCU 637	200	6	16 Kay	14 kay
LCU 638	110	35	15 Ker	15 Hay
LCU 1224	130	35	15 Kay	15 May
LCU 1225	110	3 0	15 Key	15 May
LCB 1348	35	12	16 Nay	14 Hay
T/2 934	o	0	16 May	18 Hay
AC 1081		3 0	16 its	16 May
YUV 9	90		18 Eay .	11 Hay
YO 120	O	0	16 Ker	15 Hay
T00 61	O	0	16 kiny	16 May
Your 82	0	0	16 Ray	16 Hay





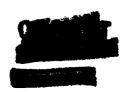
RADIOLOGICAL CONTACT FOR THE SECRET

CHITAGT LT1 : OF VE-29 FLANCE OF 18 HOT 1954

PLANE BLDEA	HICHEST Garea (VR/KR)	Greek (RE/RE) Hichial Boys &	averace Cous (AR/HR)	AVERAGE BOTA / GARMA (MR/HR)
126544	1.4	4.2	₽.	1.5
126534	1.5	3	•7	1.4
126537	-4	1.5	•2	.6
126539	0	1	O	.6
126541	1.5	1.9	.2	.7
126543	.6	1.3	•4	.6
126532	4.7	4.9	2.5	1.3
126535	.3	1	.16	-4
126538	•9	2	•4	•7
126540	.2	. 1.2	.15	.5
126542	•2	1.5	-15	-4
126522	-35	3	.15	1.5



	0.0	1.0	XPOSURE IN BY 2.0	3.0	4.0	5.0	6.0	7.0	Over
unit	to 9 .9 99	to 1.999	to 2.999	to 3,999	to 4.999	to 5,999	to 6,999	to 7.8	7.8
TG 7.3 Staff	10	47	4	1	4	_			
BAIRONO	432(-44)	238(/19)	67(/22)	50(-1)	67(-1)	8	1		
HPR-362	4404 43	73(- 7)	10(/1)	15(-4)	11(/5)	2(/1)			
CURTI33	682(-6)								
VP-29	388(-25)	and d	201 (2)			_			
estes	116(-29)	376	124(49)	17(414)	11(46)	7			1
BEITE CHOAS	4(~1)	272(-2)	28	20	•		_	_	_
TO 7.3 Boat Pool	34	77 26	50	33.	13	6	1	1	4
LST 762	74	26	30	2					
LST 551	103(/2)								
LST 1157	124 (~49)	an/ Ann's	ed /m\						
EPPERSON	198 (~85)	8 0(<i>‡</i> 73)	7(+7)						
NICHOLAS	267 (+1	80	ļ						
RENSHAW	221 (-1)	30 3 6	6	~~	80	2	1		
PHILIP	000 / /07)	36	103	87	32	2	.		
SHBA	299 (+27)	20(22)	•						
PC 1546	33 (-2)	13(-11)	. 1	•					
GYPSY	1	32	29	1					
MENDER	63 (-2)	9							
RECLAIMER	93	24/ /22\	21/21	1(,41)	3(/3)	3(/3)		1(/1)	
MOLALA	28 (- 56)	35(/33)	JY(\\\)	7(27)	3(73)	ントアンノ		*(**)	•
APACHE	65 60 (-2)	12							
SIOUX	60 (-2) 76 (-1)	5							
TAWAKONI		42(<i>f</i> 7)	15(/8)	8(74)					
COCOPA	- , , , ,		27(74)	o(Fu)		•			
AINSKURTH	157 (-39) 12 (-26)	28(-10) 5(-4)	6	5(12)	4(14)	1(41)	5(45)	5(45)	8(48)
YAG 39 YAG 40	7 (-5)	Å (-11)	9(-10)	5(<i>†</i> 3) 7(<i>‡</i> 5)	14(+12)	1(/1) 6(/6)	5(+5) 1(+1)	5(45) 2(41	1(/1)
TO 7.3 UDU	22	₩ (- ±±)	,,,,,,	17///		-1/-/			
Proj 6.4 aircraft	8								
Proj 1.4 aircraft	8			٠.,					
VC 3	A4 (+2h)	(-23)			,				
J.Y.			770	244	155	35	8	9	33
TOTAL	3584	1496	. 495	244	497	27	9	7	13



IM A-THE VENILLE

<u> 381P</u>	DATE	PA	TQ	PASSENGERS	M/T CARGO LIFTED
LST 762	1 den	Bikini	Enixetok	•	582
Lift 762	5 Jan	inimotok	Elkini	•	448
L 762	7 Jan	Bikini.	Enimetok	-	474
LSP 762	10 jen	Enimetok	Bikini	***	525
LST 762	13 Jun	Elicini	Misstok	-	423
Lit 762	16 Jan	Kainetok	Bildai	-	504
LSI 762	A im	Elidad	inisetok	-	291
LUT 762	26 செவ	primetok	Bildal	-	4.5
LA 762	4 Feb	Elided	Enivetek	•	438
LST 762	7 Peb	Eniwetok	Dikini	- .	166
Lit 762	9 Heb	Ekini	Briestok	•	862
Let 762	18 Feb	änisetok	Hikini	4	83
BELLE GEDVE	20 Peb	Rikini	inisetok	• :	125
137 825	20 Peb	Enizetok	Pikini	•	172
L97 762	21 Peb	Bikini	Enicetok	-	748
BLLLS GOVE	21. Feb	Rivetok	Bikini	•	675
LS7 762	23 Feb	Enimetok	Bikini	-	54
127 625	23 Reb	Bikini	Eniwetok	•	740
LST 762	25 Peb	Rikini	Sniwetok	. •••	394
13 T 762	2 Kar	Enivetck	Bikini	•	104
LST 551	3 Kar	Snivetok	Bikini	31	37
.185. 2 01 4	4 Har	Eniwetok	Bikini	167	5





IMPRO-Alver outfact alti (continued)

SHIP	PATE	<u> Pari</u>	IQ	Passensers	N/T CARO LIFTED
LST 762	5 war	iti kini	<u>Enl</u> wetok	. 9	112
mort is	5 Har	Pikini	Saisetok	20	
CUMTISS	5 Har	Enimetok	Bikini	9 9	20
BELLE CROVE	6 Ear	Bikini	kniwetok	17	-
BEILE BOAR	7 Ver	Eniwetok	Bikini	13	-
ox.cop.	e Har	Enimetok	Hikini	46	-
拉索斯·通	8 Ker	Bikini	Emizetok	22	-
PENTE	8 Her	Enimetok	Bildai	32	-
MILIP	9 Kar	Bikini	Enivertok	16	•
Remsn 🖼	10 Har	Rikini	Enimetok	17	-
MILIP	10 Ber	Enivetok	Bikini	20	-
LST 551	11 Kar	Enivetok	Bikini	ध्र	10
LST 762	11 Ear	Enivetok	Rikini	55	3
ZPPECION	ll Kar	Ealwetok	Bikini.	27	•
PHILIP	11 Kar	Rikini	Raiwetok	22	-
L3T 762	13 Kar	Rikini	Anivotok	6	748
L37 551	13 Ear	Bildni	Bolwet ok	3	78
remails.	13 Her	Eniwetok	Hikini	48	3
LST 551	14 Ver	Eniwstok	Bikini		68
LST 1146	14 Ker	Bildni	Painetok	•	127
LST 762	15 Ear	Eniwetok	Bikini	6	-
LST 762	16 Mar	Bikini	Enizetok	-	115
LST 551	17 Mar	Elkini	Enimetok	9	103



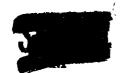




	M. ALITY	L SURF	FT (conti	eted)	
2811:	DATE	PROV	Iù	Passancers	MAL CHEO LIFTED
LST 1146	18 Feb	indeni.	snimetok	1	••
LST 1146	19 Mar	Eniwetok	didai	2	5
147 551	19 Ear	anisetok	Bikini	1	141
LIT 1146	20 Ear	Bikini	Kniwetok	-	120
ald: Las	23 kar	Eniwetok	Bikini	-	2
LUT 551	25 Nar	dikini	Bnisstok	5	198
1T 1146	26 Kar	Enimetok	Bikini	-	25
Curti98	27 Her	Bikini	Eniwetok	81	•
1.57 1146	28 Kar	Bikini	Kainstok	-	207
1.ST 1146	29 Mar	Enizetok	Bildmi	-	110
BELLE CROVE	29 Her	Bildai	Enimetok	12	500
LST 551	30 Har	<u>Enivetok</u>	Bikini	3	1
NICH: 4.25	31 Ker	Eniwetok	Bildai	17	•
RAIGHAN	31 Har	Bikini	Bairetch	1ò	•
BACH STIFF	31 Her	Eniwetok	Bikini	10	60
L37 551	2 4pr	Bikini	Eniwetok	-	155
137 1146	2 Apr	Ricini	Buistok	7	153
TYRAKONI	3 Apr	Bildni	Eniwetok	4	-
1.97 762	7 Apr	Enimetok	Bikini	32	72
PETTE SEINE	8 :pr	Bikini	<u>Rainetok</u>	7	375
CUMIS	g ha	Bikini	Enimotok	90	-
SOUL	9 spor	Bildni	Snivetok	4	1
CURTIUS	9 Aper	animetok	Bikini	20	31







INTELECTION SURF CE MAPT (continued)

241P	<u> </u>	FRA	<u>10</u>	Fas an Jers	KAT CHRON LIFTED
HENCHEN	11 aper	Bildet	kniwetok	162	2
a lks amth	12 Apr	tnisetok	Rikini	••	7
LET 762	12 pr	Elidni	ini weiok	1	59
Y.39	14 Apr	minetok	Eildni	13	•
YAG 40	14 Apr	Enimetok	Bildni	5	-
REMITE	14 Apr	Elizatok	Bikini	-	1
ELLA	14 Apr	Elizetok	Bikini	5	-
5.1m 30	14 apr	Palsetok	Hik in i	4	-
137 551	15 apr	Enisotak	Hikini	18	9
L3T 551	20 Apr	Bildni	Enivetok	-	3 75
REMERSH	23 ipr	Bikini	Enixetok	•	1
18T 551	26 ipe	Enisetok	Bikini	24	22
FILLIF	28 Apr	Bikini	knivetok	42	2
REMAIN	28 spr	Eniwetok	kikini	24	•
BULL ENB	30 apr	Bikini	Enimetok	14	103
LT 551	30 Apr	Bikini	Enivetok	-	5
Balla wors	l kay	Bainetok	Bikini	-	89
CHITIES	7 Hay	hidai	Enimet ok	` 3	ខា
AFRAHA.	8 key	Bildai	Anizet ok	2	4
BELLE ROVE	11 New	Bicini	Bairetok	9	MA MATERIAL
TIL				1,359	12,560





X

CARACTE TEMS TO MINE RAINSIS

Incoming	• •	• •	• •	• •	•	• •	•	• •	•	•	2036
Outgoing	• •	• •	• •	• •	•	• •	•	• •	•	•	1219
TAL	• •	• •	• •	• •	•	• •	•	• •	•	•	3255
Daily Average	inoc	ಂಪ ೂ ಪ್	• •	• •	•	• •	•	• •	•	•	68
Daily Average	Juty	ya in g.	• •	• •	•	• •	•	• •	•	•	46
Classified Be	938 56	:8 · ·	• •	• •	٠	• •	•	• •	•	•	44 \$
Exargancy		• • •	• •	• •	•	• •	•	• •	٠	•.	૦૦ ≴
Operational I	acod!	ieto.	• •	• •	•	• •	•		•	•	18.4
Priority	• •			• •	•	• •	•	• •	•	•	41.3 S
Routine and M	ight	lieus	£6. 46 €		•	• •	•		•	• .	40.3





X

CUSTS

2007 OF TASK CROUP 7.3 - FERDO 7 JRIL 1954 THRU 15 HAY 1954

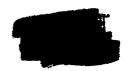
Travel and For Dies	\$23,915.00
Telephone and Utilities	none
Military Fay	1,543,714.00
Office Supplies	5,639.00
Alterations of Ships	30,000.00
Rediciogical Defense	400.00
land Improvement	none
Baoy Project (Coast Guard)	none
Documentary Photography	none
Transportation of Bag age	325.00
General Stores Items for Ships	260,241.00
fuel and Aylies	168,297.00
Provisions ("ood), Cameral Messes	312,289.00
Rehabilitation of VI-29 living quarters	17,000.00
· •	2,361,820.00

CHECLATIVE TOTAL JUSTS TASK CRIFT 7.3 - TEMP 15 MAY 1954

Travel and Per Dien	59,207.00
Telephone and Utilities	3,500.00
Hilltary Pay	4,903,955.00
Office Supplies	8,294.00
Alteration of Ships	115,200.00
Rediological Defense	12,000.00
Land Improvement	4,500.00
Buoy Ireject (Coast Chere)	12,000.0
Documentary Indocurry by	2,700.00
Transportation of Baggage	700.00
General Stores for ships	459,111.00
Puel and Avias for Ships	823,555.00
Provisions (Jeneral Mess)	808,174.00
Nehabilitation of VP-28 living quarters	17.000.00
CRAID TOTAL	7,229,978.00



206



STATUS OF ALLOTALING AMELIAND THE LIGHT TASK FORCE LEVER 5 OF

15 HAY 1954

WHIT APPRIATION 2142020 NAOA 1954

DESCRIPTION	RECEIVED	OPL IGATED	eleaded	UNOSILIBORU
Travel	61,000.	59,289.87	21,049.63	1,710.13
Transportation of Things	1,000	700.		300.00
Communications	2,000			2,000.
Task Group Overhead	400	300.		100.
Modification of Ships	115,200	85,200.	80,200.	30,000.
Land Improvement	4,500	4,500	-	
Documentary Photography	3,000	2,700	185.25	300.
Radiological Defense	13,300	13,000	11,600.	30 0.
Ducy Project (Coast Guard)	12,000	12,000	12,000.	
TOTAL	212,400	177,689.87	125,034.88	34,710.13

Mote 1 24,710.13 of the unobligated balance returned to CUTF SEVER on 31 May 1954 as excess to Task (From 7.3 requirements.

STATUS OF BRENIPS PLAG ALLOTHOMY NUMBER 42299/54 RELD BY THE SUPPLY OFFICER. USS BAIRDRO (GVE-115) AS OF 15 MAY 54

Received	4,800.
Obligated	200.
Expended	4,200.
Unobligated Balance	400.

STATUL OF THE BUT AU OF CHIPS ROAT FOOL CAPPITTING ALLCHEAT HEID BY SUPPLY OFFICER, U.S. HAVEL AMPHIBIOUS BASE, CHANGO, SAN DIDOU, CALLE-TANIA. AS OF 15 BAY 1954 (1954 ALLOTEARY NURSER ALCOX)

 Received
 165,000.00

 Obligated
 1,825.00

 Expended
 162,449.55

 Unobligated Balance
 725.45

Note 2 This allotment will be reported to CJTF SEVEN by Buships and is not reflected in CTS 7.3 Cost Report





XI

PRESONNIL HOSTER

Commander and Staff of Task Group 7.3

RADM H. C. Bruton, WSW CAPT R. Ratherford, USH LCDR R. F. Madden, HSWR

Commander Chief of Staff Flag Lieutenant & Aide

%-1

LODR A. C. Dragge. USN RFS G. R. Howard, USKR Plaz Secretary Permannel Officer

1-2

CDR R. A. Klare, USHR

Intelligence-Security

3-3

CDR M. S. Schmidling, USW CDR W. A. Clark, USH LCDR D. A. Pickler, USN LCDR L. I. Satop, USHR LCDR C. P. Carlson, MC. USW Hr. Seymour Gerdon

Plans & Operations Asst. P & G (Air) Asst. P & O (Atomic Defense) Asst. P & O (Asst Atomic Defense) Medical Officer Civilian Consultant on Radiological Defense

H-4

CDR D. Bontecou, USE CDR F. D. Muir. Jr., SC, WSF

Logistics Officer Supply Officer

E-5

LCDR J. B. Johnson, Jr., USE LING B. O. Yelverton, Jr., USAR LEIG A. W. Sears, USER LWO J. D. Engels, USW

Communications Officer Asst Comm Officer Asst Comm Officer Asst Comm Officer

Flag Allowance, fask Group 7.3

N-1

CIBERSON, James D., YMSH FILARDI, George J., SN NOLL, Jack A., THUR TREFDAK, Joseph R., TH2

HARSE', Alan C., YEZ JON'S, Thursan D., SN THOMPSON, James M., YHSC WILLIAMS, Charles W., YHI

109





I

K-2

THOMPSOV. Gene. TH2

K_3

BRASWKLL, John D., Jr., 1901 MTMOALF, Kdwin N., 192 WOCK, James N., 273 TEMPLETON, "Sward J., THE THACKER, Roah D., Jr., ETI VALTER, Martin L., QMC

H-4

TAYLOR, Carroll A. YMI

TIMMIS, Bobert L., SKC

1-5

DATIOF: Paul R. RML

GREENVOOD, Manford A., EMG.

Admiral's Barge Crew

JOHES, Francis &., BM1 SAS", Oren K., WH3 TORRES, Semuel (n), IN VAR HOGERR, Bruge 5.. SF

Staff Olg Crew

NoI. Stanley V., XHJ GURNAY, Myron D., BM2 VEIGHT, David L., ST

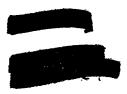
Steverds

BROOKS, James D., TH BROVE, Drue P., SD2 CEPEDA, Jose C., SD5 FLORES, Johnny C., SRC FRANI, Game to T., TH MACSULE, Reynaldo N., SIZ PARTIH, Robert (n), TH VERSOZA, Aurellano (n), SD3

Communications Personnel

BALUI 220 HS. Joseph (m), 7"3
BARRIFO RR. George R., EM2
CHECTY, George R., EM0
DALLIANN, Keith W., TESH
FOLWELL, John R., Jr., EM2
VARDY, Soward J., TR2
HORGET'S, Ashmore S., TR2
BUCKOLS, Hobby J., EM3

RALSTON, Billy J., TE3
RUSSELL, Jack F., EM3
TERRY, Kenneth N., RMSH
VAN HORH, James R., TR3
VAN STONE, Charles C., RMSH
VORCE, Donald G., EM2
VOSHELL, George O., Jr., CM2
VSIMER, Robert E., EM2



FireInc



LT W. O. Wilson, USW LT R. F. Reed, USW

LT K. V. Laughlin, USE

LT T. A. Casey, USE

LT W. R. Brooks, USER

LT T. B. Bartt, USE

LT R. O. Wilson, USW

LT J. O. Bachert, USW

LT R. A. Mowrer, USE

LT R. G. Kansenback, USK

LT B. B. Garlinghouse, USH

00, USS 6000PA (ATF-101)

OC. USS MOLALA (ATF-106)

00, USS LST 525

CC. USS APACKE (ATF-67)

Oino, mono-one

00, US: SIOUX (ATF-75)

00, USS GYPSY (ARSD-1)

00, USS LAT 762

00, USS TAWAXONI (ATF-114)

00, USF LST 551

00, USS PC 1546

