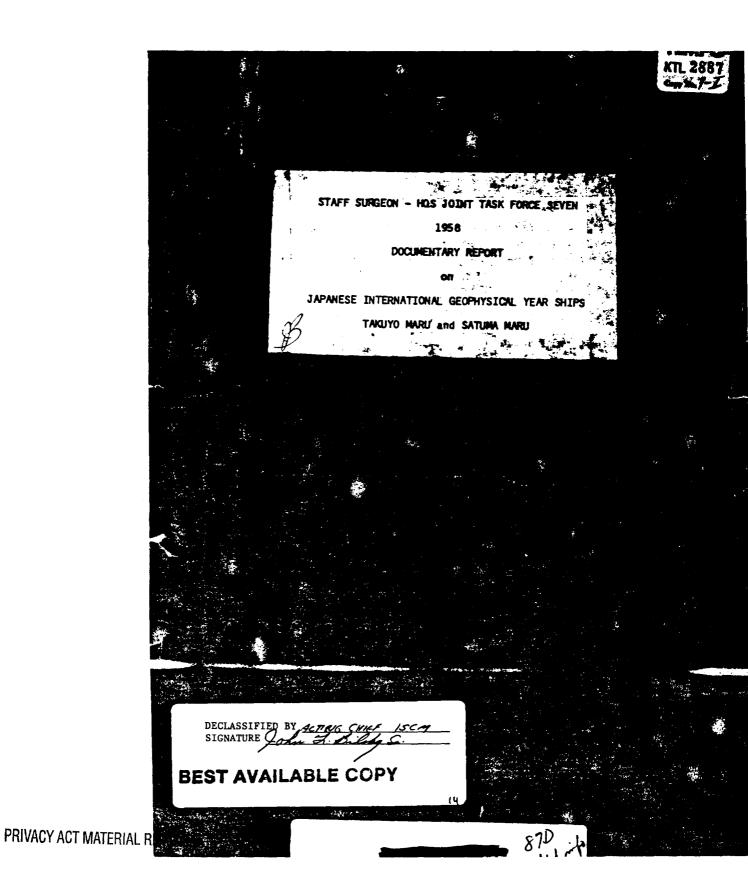
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DOCUMENTARY REPORT

JAPANNE INTERNATIONAL GEOPHYSICAL YEAR SHIPS

TAKUTO MARU and SATURA MARU

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Propared by:

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DISTRIBUTION:

1 - Surgeon General, Hqs USAF, Wash 25 DC 1 - Public Health Service, Wash DC

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DOCUMENTALY REPORT

SAPARESE INTERNATIONAL GEOPHISICAL YEAR SKIPS

TARUTO MARU and SATUKA MARU

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A STATE OF THE STA

Het. government representatives and individuals somewhed, we feel that much micel information and a description of our relationships with the our mission, a detailed, marrative type report would best meet the is view of the implications other than purely technical impolved is is gained in our attempt to record this entire matter in its proper seds of all consermed persons and agencies. By providing both tech-In deciding upon the format for this report, the team felt that

with a feeling not only of entiafaction regulting from the technical and our bost officials of the local Australian Parriterial Administraresulting from the extremely cordial relationships with the Japanese outeems, but very definitely with a feeling of personal gratification All members of the team completed this rather sensitive mission



STREAM AND CONCLUSIONS

For the purposes of this report, the summary and conclusions are collected here. Detailed calculations and other data williand in arriving at these conclusions may be found in the individual chapters.

- 1. The Japanese data showed that their highest doce-rate reading was only fifteen times their background readings as recerted during the early part of their voyage.
- 2. The relatively low comulative grant readings recorded on the SATRU desimeter do not necessarily indicate a true doce. It is entirely probable that rediction lookage of the instrument accounted for a large portion of the recepted dose. If accepted as real, it indicates a total dose of 50 millirounteens between the dates July 5-19.
- 3. The rediction dose rates on both the TAKUYD and SATUMA at the time of menitoring were found to be substantially identical. The decentamination measures carried out on the TAXUTO were affective in reducing the rediction level to eccentially background.
- 4. Japanese data maximises the whole body grams done incomes as the scintillation probe was held almost in contact with the dock. Similarly our rediction monitoring data is maximised since the guiger probe was also held in this sens position.
- 5. The maximum radiation dose possible to TAKUYO percental is calculated to be less than 5 millirecatgons. This assumes continuone exposure for the 15 hours from start of the rain equal1 to the end

espied between this time and our arrival at Rabaul (total 300 hours). Superson. In additional 3-9 millirection total may have been asduction, of the Manch count sets specified by the

- data, the dose calculates to be about 85 millivestigans. the fallity, would have been an innightfiguart assemt. Meing Supeness The infinite grams does, even with me decenterization of
- not nore than 30 stantes duration. rediction does resulted from a very local and transitory rein-out of 7. The exposure of the TARRED and error to an ineignificant
- the TAXED and the SATURA abov to evidence of rediscretive contentar-8. The analysis of the drinking water semples callected from
- facts recalling from exposure to ismising rediction. 9. There is no oridinate at this time of any detectible of-
- reseal. Any complaints of illness subsequent to 14 July 1958 were due to other exuses; i.e., possible infrotions hepatitie or other intererrent illinom. 10. There have been no same of radiation sickness on either
- from the minimal radiation exposure experienced, so enlocated by two procest moderal imendedge, no deleterious effects, in fact, resulting 11. There will be no detectible effects, and, in the light of
- ation of personnal at the time of emmination. 12. There was no detectible orthonor of redicactive contenta-
- normal activities of any of the personnel of either vessel. 1). There is no medicalization for restriction of the

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W.

CHAPTER II

HARRATIVE STROKET

A. SUMBLET OF SVEHTS Prior to Departure of Joint Task Force SEVEN Medical Teem and Execute to Raboul

To our personal knowledge, the first indication regarding the imeddent of the TAKUTO MARU and SATUMA MARU (also spelled SATSUMA (ald spelling)) was a magange seem by Colonel Relph M. Lochausse, USAF (MC), Staff Surgeon, JTF-7, on 19 July 1998. This was message date-time group 1902043, routine precedence, from CINCPAC with information to Commander JTE-7, Enivotek (see Tab A, Appendix I). This message originated in Tokyo at 10 a.m. on 17 July from Maskythur to State 110 and said, "CHO not adoe pass by CHO 171905% 2 Maritime Safety Beard ships now engaged in Pacific survey projects in connection ICE have reported high levels of rediscetivity in vicinity of Truk. Ships have informed NSB of 19,000 count per minute on scintillation counter, rain redisactivity of up to 100,000 counts per liter and sea water redisactivity of 247 counts per liter per minute. Vernacular press have given fairly extensive back page play to those reports. MSB officials told Naval Attache that erous on both ships are very veryied about radioactivity. MS, though not toe concerned about reported levels of redicactivity, has diverted both ships to Rabaul for frosh water docontemination.

In view of the absence in this siviency of certain important technical information (19,000 secure per minute, etc., of what? Mfficioncy of the counter, calibration, etc.), cortain assumptions were



3

tifie and technical personnel. In general, these assumptions were: on the basis of these assumptions and consultation with JTF-7 scienmade by the Staff Surgeon and certain rough calculations accomplished

- per cubic meter of air. 1. That the 19,000 count per minute quoted referred to counts
- 2. That the counter efficiency was:
- (a) 50%
- (a)

and 180256% from CINCPAC ware checked. Deputy for Scientific Matters were advised to this effect by the Staff Andiation Protection and Measurement (MCRP) and also by the Intersults were within permissible limits for emergency and continuous conmational Commission on Radiation Protection. Commander JTF-7 and the sumption for air and water as recommended by the Mational Committee for On this basis, it was concluded from the calculations that all re-No further action was taken at this time. Messages 1802223

eres from Rabonl to Japan for treatment I NSS further requests aid in formally requested aid in flying minimum of 10 and maximum of 51 of losing white blood esuch as a regult of radiometive fallout I MS in-Appendix I): "My 1622068. NOW reports some of error of TARUNO MARKE ALUSKA TURNO 21021SE to CED and information to CINCPACTIE (see Tab B, from CIRCPACTIF with imformation to Commander JIT-7, originating from Surgeon found on his deak an Operational Demediate message 2106123 descriminating ships I besise deak and careas surings reported to be At 0730 hours legal time on the norming of 22 July, the Staff

1. 3. V 41. C

trouble spots I AMEC concerned and recommends medical and descatesinsting assistance I Australian health authorities presently conducting tests on error at Rabaul.*

In view of the content of this message, particularly the references to "MSS reports some of the crow of the TAKUIO NARU locing white blood count as a result of redicactive fallout..." and "...MSS informally requested aid in flying minimum of 10 and maximum of 51 of crow from Rabaul to Japan for treatment..." the Staff Surgeon and Genmander Frederick V. Smyder, Joint Task Feroe SEVEE Operations Officer, were requested by the Commander to draft a message with recommendations to Director of Military Application, U.S. Atomic Energy Commission. Just as this was completed (not cent), Commander JTF-7 received a telecom message from Comercal Alfred D. Starbird, DMA, AEC (see Telecom Item No. 12, Tab C, Appendix I). Message 2200303 from Commander, Joint Task Force SEVEE to DMA/AEC (see Tab F, Appendix I) was dispatched in reply to this query.

At this time, following a conference called by Commander JTF-7, the following were designated as members of the term:

> Colonel Ralph M. Lochesson, USAF (MC) Chief, Huelear Medicine, Office of Surgeon General, Mq USAF Staff Surgeon, Joint Tack Perce SEVER

Captain Roseco E. Gooke, V.S. Public Health Service Health Physicist Radiological Safety Advisor, Tack Group 7.5

Lt Colonel Carl L. Honore, Jr., USAF (MS) Factor Hedicine Officer Flight Surgeon, Task Group 7.4

The term was alerted for departure to Intend pending final advice and electroness from DM/AEG and State Department. During this period of

45



several hours, other advisories from DMA/AEO were received, including message 21.2043E (see Tab D, Appendix I) and 21.2245E from USAEO, Machington, D.G. (see Tab E, Appendix I). Other transmissions which fullowed before our departure are included as Tab H, Appendix I). Medical and rediation survey instruments, equipment and supplies, including anti-unlarial prophylastic and acrosel bends for aircraft, were callected and made ready.

Final elearence from the Australian Covernment for our entry to Rabaul was received in Operational Immediate message 240043Z (see Tab I, Appendix I) from AEC, Washington, D.C., to Commander JTF-7 which arrived at the fairetek Freving Ground at 241515 hours level time. Aircraft operational equalderations made it imporative that take-off on the first log of the flight to Rabbal (Rejector to Truk be not later than noon. Therefore, take-off was set for 250230 hours local time, and, in fact, the aircraft was relling at this time. (See message 2404352 from Commander JTF-7, Tab J, Appendix I.) Personnel aboard are listed in Tab G, Appendix I. Aircraft SA-16 #51024 arrived Truk at 250645 hours local time (07456). After refusling and breakfast, including one each chloroguin anti-malarial tablet for every member of the party (following greeting at the strip by Mr. Callamore, Matrice Trust Territory Administrator, who offered every convenience and courtesy to our group), we made a JATO-againt take-off for Raboul at 250905 hours local time (10090). Arrival at Raboul was at 251515 hours local time (15150), a total of 12 hours 45 minutes elapsed time.

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I. PARAGE

the Commepciitan Hetal and luncheon following our greeting at the plane bether we desired laush upon arrival. He proceeded, therefore, to the following individuals: About two hours out of Raboul our party had been quarted as to

Mr. John R. Feldi Amstralian Territorial Administrator for New Britain Island Mailing address: Amstralian Trust Territory Papus and New Onines

Charles Hassler, M.D. Australian Regional Medical Officer, New Oninea Islands Mailing address: Same as Mr. Foldi's

had others

Mr. Gus Sediae Reporter for RARAUL TINGS South Facifie Fost (Fort Moresby) Wire Services

imediately-with questions. Following a graciously accepted response The latter was not a member of the official party, but attached himself be had taken pictures as we deplaced. of "We are in no position to comment so soon after our arrival", It. miles permitted us to depart for the botel. Our group noticed that

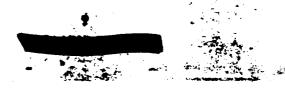
included original interviews (questions and answers) by him and Sub-Importer Stewart, the team boarded the TAKUTO MANU at the dock. me Mr. Jim Weng, a Matrict employee, and the second was a Japanese ere accompanied by Mr. Paldi, Dr. Massler, and two interpreters. eyed by the Japaness Salvage Company verking in the harbor. After lumeh and a permeal of Dr. Hassler's file of records which

but settingly, by the Oxphain and his efficers, all of whom rendered the party was greeted at the head of the gangliant with formality,

salutes although we were in civilian elethes (as throughout our entire visit). M least two Japanese took pictures from the dock as we bearded—as well as Mr. One Smiles from the dock. After a short exchange of greatings and handshakes preferred by our hosts, we were ushered below docks to the TAKUIO vardreem where we were joined shortly by the Captain of the SATUMA and a few of his efficers. (See Tab A, Appendix VII for mance of specific Japanese personnel contacted. For entire erow lists, see Tab A, Appendix II.)

There followed a relatively short but pleasant period derveted to the association during which our hosts served soft beverages (grape juice and erangesdo) and possests, and during which our language contact was established and semestat improved as we went along. Captain Matsabare, who was sitting at Galenel Lockausso's right at the head of his table, led into the purpose of our visit by saying that they were very approciative of our presence and offer of help and that he was very concerned over the health of his people. He asked whether we felt that they were suffering from redistion illinear and whether there was any cause for verry over future developments. As a result of this conversation and its immediate development, the TAKURO records were prouptly made available to us upon our requests. There was no healthties and me apparent restraint on the part of any of the ship's personnel. These are attached as Appendix III. The Captain of the SAFBM later made the same records available to us.

The next two hours were devoted to an emmination and interprotetion (literal and technical) of these regards. A detailed discussion



of the chronological sequence of events ensured and points of quantical vers explained to us by the Japanese using their records (course plats, redistion readings, decenterization procedures and medical expediation records. See "Course Flats", Tab A, Appendix III and IV, and section "Japanese Radiation Residings and Decenterization".)

The services of the interpreters and of Dr. Hassler were definitely of value during this session although we were, on succeeding visite, able to communicate quite directly with the Japanese with actisfactory success. An outline of our plans for the following day's activities was discussed and arrangements unde to begin at 0000 on the following merning (Saturday). Instructions were given for callecting the 24-hour wrine samples, and it was arranged that Captain Cooks and Dr. Hussen would return early that evening with the wrine containers. The next half hour was deveted, again, to a very pleasant visit during which more soft beverages, Japanese beer and tidbits were served. Our departure from the ship was accompanied by salutes, smiles, handshakes and waving.

Hen return to the hotel, the team engaged in a short conference, reviewing the day's activities and outlining place for the next day.

After disser at the hotel, the term, aircraft error numbers, and Mr. and Mrs. Feldi spent a very pleasant evening over coffee at the home of Doctor and Mrs. Maceler.

26 July 1998, Saturday!

Our outlined plan of action was carried out as follows:

All team members bearded the TAKEED which was now at another

RECT

in the harbor (with the SATURA) where they were moved earlier that merning to make room at the pier for an incoming vessel.

- OSCO-0900 Lechausse and Gooke made a preliminary over-all check of radiation levels on the TAKUYO. Lechausse and Hanson selected twelve error members from each vessel's complement for physical and laboratory amminations and radiation monitoring.
- 0900-1430 Gooke accomplished detailed and critical radiation survey of both ships assisted by it Colonel Prasce, Aircraft Commander, and utilizing the services of an interpreter. Also, an examination and evaluation of the Japanese radiation instrumentation was done. (For detailed survey findings, see sections "Radiation Survey Findings" and "Japanese Instrumentation".)
- 0900-1500 Japanese personnel to local medical clinic by launch and truck for medical history, medical examination and radiation menitoring by Dr. Hansen. (See section "Medical History and Examination.")
- 0900-1500 Alternating in two groups, the Japanese personnel were taken to the local pathology and x-ray laboratory for blood examinations. Dr. Lechenase, Mr. Shelton (Laboratory Director), and staff.
 - Urine: (24-hour samples.) Start of urine collection after first marning void which was retained for chemical (organics) analysis (to be done at les ilemes Scientific Laboratories).



NOTE: All personnel worked continuously until completion, although week-ends in the islands are to all local personnel, as Dr. Hassler phrased it, "sacrosanct".

1500-1700 Conference at hotel for review of day's activities and finiings and with purpose of forwarding measage to Commandar JTF-7 which was dispatched at 261517 hours local time (see Tab , Appendix).

1700-1845 According to the urgent request (previous day) of Dr. Hassler, Lechausse and Hansen presented unclassified, informal lectures on Buclear Medicine to a group acceptised of Dr. Hassler's medical staff and Rabaul private physicians. An interesting discussion period followed. Captain Gooke was in attendance and svailable for questions and answers. The meeting was terminated perforce by the approach of our dinner engagement as below.

1930 The team members were guests of Mr. and Mrs. Foldi at dinner (Chinese restaurant) and for coffee at their spacious and attractive mountainside home. Coversation was on a variety of subjects, extremely stimulating, and not related to our mission. The Hassler's were unable to attend due to another engagement.

Reviewing the day's activities, the team members agreed that we had successfully accomplished the programmed fact-finding and technical portion of our mission. We also felt that we could complete the remaining items by mean or shortly thereafter of the following day, Sunday.

27 July 1958, Senday

0000-0645 Belayed through a miner misunderstanding. Our foult, strictly,

in not having made explicit arrangements with the native skipper of the launch who had been placed at our disposal constantly—as were two cars and drivers—throughout our stay in Rabaul. The skipper was at Mage.

O900 Bearded TAKUIO after being ferried from deak by her launch which was sent in for us when they noticed us waiting on the deak. Greeted warnly again.

0900-1130 Proceeded to Captain's cabin. Joined by medical and scientific personnel of TAKUYO and, shortly, by the Captain of the SATUMA and his corresponding counterparts. After a short period of greetings, soft drinks, and general seaversation, the subject of our final visit abourd arose very maturally when we were queried as to our findings regarding the health of the personnel by the Captain of the TAKUYO. He also stated that he was required "by his headquarters" to obtain a "written statement" from us before they (his beadquarters) would approve his departure from Rabaul. The Captain of the SATUMA made a similar request at this time. We truthfully had not anticipated this eventuality and had no guidance on this particular point to roly on, although, at our final conference prior to departure for Rabaul, we had discussed every possibility and potential aspect. Nowever, in view of the ever-all technical success of our mission thus for and the cordial and cooperative relationship which had provailed from the memont of our first contact, it

11

use decided that this was a reasonable and understandable request and the team leader indicated, without vertal discussion, that he was favorably inclined. Br. Hansen and Captain Gooks indicated agreement. As stated in our original summary dispatch necesses 2909552 to DMA/AEC (see Tab H, Appendix I), we full impelled to do everything possible to obviate any possibility of even alight impairment of what we considered a most friendly and metally beneficial relationship to this point. A denial of this request, for any reason we could think of, we full would be very impliftle and a serious error. We therefore suggested that we would be happy to draft such a statement following a complete discussion of our findings with them. This was, in fact, done after our discussion and is queted below.

There followed a detailed discussion of our emmination of the ships and of the personnel and our summary impressions. During this period, our radiation describe readings were copied, in tote, by each Captain or one of his people, from our original records. This was also done in the case of the blood counts by the TAKUTO physician (the SATUMA doctor had been permitted to do so the day before at the laboratory, once our results had been recorded). There were questions as to when the results of the wrine consinctions would be known, and we advised that this would be a natter of 2-3 weeks if there was any oridence of redisastivity, seemer if there was none. The same regarding the blood samples.

12

The term lender them drafted the statement which follows, and, after concurrence by the other term members, it was typed in several copies by one of the ship's personnel. We requested and received three copies. One copy was signed for each of the Captains as requested by them, and as Captain Matsubars said to the term leader in requesting his signature, "For severals, yes?" The statement:

"As a result of our emminations of the TAKNIO and the SATSUMA and of the personnel, our findings do not indicate ovidence of rediction sickness or any contamination of either vesel which should delay your departure or normal use of the vesels or equipment either new or in the fature.

"We are very decirous of conveying to you and all your personmel and to your headquarters our most sincero approxiation of everyones' complete comparation and personal friendliness and help.

"It has been our pleasure to have had this opportunity of mosting you personally and working with you."

We wish to emprous our thanks and cincore best vishes to you and all your people and wish you a safe and pleasant verage home.

(Copy of original is attached as Tab B, Appendix VII.)

At this point, we presented to the Captains, who immediately called their scientific personnal around them, the decimeters we were requested to deliver. (We also gave them an appropriate bettery-spected charger.) We had with us toolve and gave them all, although eight only were mentioned in the original request. (See message 2216435 from USAEC, Tab G, Appendix I.) These were 0-5 reentgens, self-reading, quarts fiber electroneter type, efficially designated as Bendix Hodel Fill, Series B. The numbers of those implements are recorded in Tab G, Appendix VII. Captain docks instructed the scientific personnal in their was and gave

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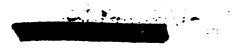
them a short written description and instruction sheet, handwritten. It was emphasized that a documeter with this comparatively high range is used in the United States for purposes such as civil defense, weapons tests, and not for routine laboratory, industrial or training purposes. During this time the urine samples from both ships were collected and packaged for us by the Japanese.

Throughout this session, our hosts several times reiterated their thanks and appreciation for "your help". As often, we, in return, expressed our pleasure at being able to be of assistance and also for the opportunity of meeting them personally.

Two bottles of "Fine, Old, Rame" Japanese whiskey made their appearance on the table at about this time; a pitcher of water, mate, rice cakes followed. Drinks were poured meat. The moment seemed propitious for our group to give the first toast. Our sincere feeling of cordiality and appreciation for the friendliness and cooperation shown us throughout our stay made this a spontaneous and natural gesture. This resulted in a short exchange of personal expressions of mutual respect and friend-ship--and more toasts.

As a particular evidence of the warm and personal atmosphere which existed, we relate the following: Captain Tanaks, Naster of the SATURA, a handsome, well-built and virile-appearing man, obviously well-traveled and sephisticated (who had informed us that he did not drink or smoke because "it is injurious to the health") now amounced in response to our previous exchange of good wishes, "I will sing for you the New Youland good-bye seng...... I sing new!" He then song to us in Reglish, without

-



again, sometime, somewhere." words, the song ends on the theme of "We will be waiting to meet you accompanisest. It was a touching posture. While we do not recall the

"Fine, Old, Sare".) (Our assumption as to the liquid contests was later confirmed to be team a paper-arapped, obling pasings with their personal good wishes. assembled on deck. At this time they presented to each member of our companied us to the ship's ladder where the entire orew appeared to be Shortly thereafter, we said our formal good-byes. The group ac-

8 of sight of each other. Even from the dock, we exchanged hand-waving. to the continuous waving of all the Japanese, we returned the gesture and repeated good wishes and expressions of personal regard. In response from the deck of the lemmeh and all continued to wave until we were out Our actual departure was accompanied by handshakes, formal salutes JIF-7 (see Tab L, Appendix I). Wrote and dispatched final message from Rabaul to Commander

58 ridge surrounding the harbor of Rabeul. Ruserous native a motor tour of the Camelle Perinsula, travelling the high The afternoon was very pleasantly spent with the Easslers on the readelds. During this teer, we went through a recently traffle on the roads is the usual Surday routize for the matives. family groups sitting at the roadside and the motiosable foot mative but. As explained to us by Dr. and Mrs. Massler, the willages were pointed out to us and we actually visited one therefor we want, children and adults alike word to us from



opened, mative-operated but Amstralian supervised sixty-bed bespital on a hiller overlooking the harbor. Also, at the sessiusion of our teur, we were occadeded through a 400-bed sewly-constructed regional hospital of most modern local design and construction. This remarkable installation, costing one million Australian pounds (\$2,400,000) is planned to reserve its first patients in October, 1958. The pride of the local Administrator, and particularly of Dr. Hasmler, was apparent.

restaurant). We were disappointed that the Foldis were unable to accept. tion and many courtesies and kindnesses extended to us by the Foldis our greate at cecktails (at the hotel) and dinner (at a local Chinese and the Masslers, we had invited these officials and their vives to be With a view toward returning in small measure the personal attes-

already taken care of our obligations and would have done so, in any that the local authorities were handling this matter. However, we had bills and made a remark to Mrs. Richardson, the Deak Clark, to the affect Dr. Hassler evidenced apparent surprise that we were taking care of our event, except upon insistence to the contrary by Mr. Foldi. After conttails at the botel, while taking care of our botel bill,

about a news story in a Sydney, Australia, paper of the previous day. Also, during the course of this ecoversation, he asked Onlesel Lecheuses During the course of this conversation, he advised one of us (ischeusse) effered to obtain a copy for us and did. (See Tab C, Appendix VI.;) It this time, Nr. One Sailes again engaged us in conversation,

Hassler and the local authorities. We have had a very pleasant stay in the fellowing effect, although the words may not be an exact quote, Sydney neverpaper, without communation. restaurant, Mr. Smiles located us and delivered the clipping from the Lechnusee replied, "He". Later that evening, while we were at a Chinese there was any danger on the shipe or their presence in Rabaul. Colonel Rabaul and wish it were possible to stay loager. He then asked whether However, we feel that our results confirm, in general, those of Dostor Tor obvious reasons, I am not in a position to make a formal statement. the presence of Dr. Hamiler, Colonel Lechanses advised Mr. Sailes to in the not unanticipated question as to our findings and opinions. In Lechauses advised him of our early morning departure time. This resulted from Mr. Smiles as to how long we would remain in Rabaul, Colomel this individual's mans, but that, some five weeks prior, the local conif he was sours of the fast that there was a Japanese newspaper reporter reporter had been filing dispatches. at Rabaul. They were requested to extend courtesies, including accepttravelling abourd one of the vessels. He stated that he did not know noe of collect messages. Mr. Smiles informed us that this Japanese munications people had been advised of this person's impending arrival In response to a direct question

C. DEPARTURE FROM RABAUL and Seturn to Entwetch

28 July 1958, Headers

Inguige landed; team and error proceeded to air-strip. Not by Them and aircraft error members assembled at breakfast at betal. Nr. Politi and Dr. Haralor and Mr. One Sailon.



0600 Boarded aircraft after formal and personal good-kyes.

0615 Wheels up

1415 local Arrivo Pemapo (Rafuel)

1515 local Depart Penape

1800M Arrive Enivetek

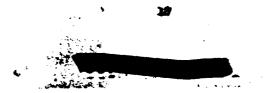
1845M Arrive Perry

1900 Celemel Locksusse, Team Leader, reported verbally to Admiral

Tyree, Deputy Commander, Joint Task Force SEVER.

29 July 1958, Tuesday:

Team met for original conference on this documentary report. Format decided upon. Medical portion of report outlined since Colonal Hansen was scheduled to depart for the Z.I. in the early afternoon. Formal summary report to Division of Military Application, U.S. Atomic Energy Commission; Secretary of Defense, and Headquarters USAF was dispatched (see Tab F, Appendix I). The report was completed, except for final draft and reproduction (three copies only), on the evening of 2 August 1958.



CHAPTER III RADIOLOGICAL FIEDUESA

A. DESCRIPTION OF SHIPS

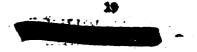
Noth vessels are of the outer type operated by the Japanese Haritine Safety Beard and outflitted with scientific equipment for cartegraphic survey work in connection with the International Geophysical Year. The complement of the TAKUYO was 50 efficers and men and on the SAFUNA, 62 men, according to lists given to Dr. Hassler (Australian Health Officer). However, all local newspaper stories quote the TAKUYO complement as 51. The TAKUYO is a one year old, discal-driven vessel, misely outfitted, and in a clean condition. The SAFUNA is a 14 year old, discal-driven ship, and, relatively speaking, not quite so ship-chape. Meither ship is fitted with a distillation unit for evaporating sea water for drinking purposes and both ships loaded shore water at Tokye for the trip. Haximum speed of both ships is 13 kmets.

Two spellings of the new SATUMA will be noted. "SATSUMA" is the old spellings "SATUMA" is the new one, new in use.

B. JAPANESE RADIATION INSTRUMENTATION

The TARVID NAME was equipped with a laboratory-type gaiger counter and a scintillation counter with a deep unter probe. All were of Japanese namefacture, but were very similar in design to equipment namefactured in the Britod States.

The gaiger counter was equipped with a gaiger tube with an end window of 1,42 mg/cm² thickness for both measurement. Accessory equipment was an explicitor and scalar with. Efficiency was said to be 9.66.



Z

inches dismeter and ly inches in length, and a Demont photo multiplier miliroentgeme per week. from Japan, games besinground for the establilation counter was reported nected to a count rate meter by a very long cable on a real, and used tube in a steel pipe 7.8 centimeters in diameter. The probe was conto us as 2400 spm. We were advised that 500 spm was equivalent to 0.7 te take readings at varying depths below the surface. During the vuyage The scintillation counter probe encloses a Hall crystal of 1

to compare the background readings of the Japanese scintillation counter rith our Mos. The following results indicate a reasonable checks During the survey of the fAIUID on 26 July, a rough check was made Scintillation counters 1985 spm games (equivalent to 0.09 me/hr)

Mary: 0.005 m/m game

facture and similar to our Keleint 0-200 millirountgen desimeter. self-resding desineter and charger. The desineter was of Japanese namegoiger counter similar to that on the TAKUTO, and one 0-200 milliroentges The equipment on the SATURA NAME sensisted of one laboratory type

the bi on the si personnel abouted are shown in Tab A, Appendix IV. The readings show the thefulors in an expected position. Bookings taken daily by the estentifie filled with a deceinment in a bulkhead decreay to the "Scientific Observaonce of 26 millionarisons from 8 to 19 July, and 26 millionarisons from During the voyage of the SATURA, the designator bung in a plantic bag The door remained open of all times and the desimeter was

for the six data (ops per cobie notes) lighed as the shipe course plate there was no six sampling equipment should either ship. The waite

refer to ope recorded by the scintillation counter while the probe was exposed in air.

C. JAPANESE DECORTANDEATION PROCEDURES and Radiation Readings

0.31 mm/hr (using their figures of 500 cpm = 0.7 mm/week). All Japanese readings were taken with the scintillation probe close to the surface of fresh vater, the maximum occurs was 26,235. 77,468 open is equivalent to Standard Time, 14 July 1958 (position 153045' E and 12023' H). Starting the TARUTO ram through a rain equall between 2000 and 2300 hours, Japanese tetra sectate (S.D.T.A.), their "mentrality cleaners") and rinsing with tained. However, the probe itself was found to be contaminated, and, reading of 37,468 cpm, using the ecintiliation counter probe, was obafter being decentaminated by washing with a detergent (ethylene dismine gradually begon to rise. At 2200 hours, following the rain squall, a st 1200 hours JTT, the background (using their figure of 2400 ops) A review of the data given to us by the shipte Captain shows that

reading on the bridge to 17,470 spm. procedure. The bridge and bridge deck remained "high", however, and decomtemination of this area was repeated at 1400 hours. This reduced the cedures were commenced at about 0530 hours, 15 July. Deaks and equipment sea water. Generally, the level was reduced to shout 10,000 ops by this ears maded with "mercirality element" and flushed with either fresh or mined at about 23,000 open. On advise from Takye, decontemination prehetmeen 0100 and 0400 hours, JUT, 15 July, the radiation level re-

of the sity was escaphished and measurements made daily, thereafter. On the merning of 16 July, elecating and washing of the issue perte These are shown in Tab B, Appendix III.

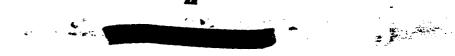
All perts of the TAKUTO continued to be washed and ringed each merning until reaching Rabaul at 0900 hours JST, 19 July.

Decontamination of the TAKUTO personnel was also commenced on 15 July on advice from Tokye. Hen were directed to shampee and shower, and the clothing of the crew was washed and monitored. On arrival at Rabenl, each crew number was given a haircut.

The SATUMA did not encounter rain (position 1510 Bast and apprendmately West of the TAKUYO) and the officers routinely monitored their radiation level using their gaiger counter and documeter. By this means they fall assured that the SATURA had not encountered fallout rediction and was not conteminated. He descritarination measures were instigated. On arrival in Raboul, the ship was monitored, using the TAKUTO scintillatism counter, and the Captain advised us that all readings were at background levels. Monitoring was done on 18, 20, 21 and 25 July. Swipes were also taken on the SATUMA using ordinary checalcal filter paper with am area of 4.9 source contineters and swiping a 100 square centimeter area. The swipes were ashed and counted, using the gaiger counter. The monitoring and swipe results are given in Tab B, Appendix IV.

D. RADIOLOGICAL SURVEY OF SHIPS

Two Booksen MG-5 (Serial Nos. 1146 and 65014) geiger counters and one Chatham CDY-700 (Model 3, #6306) geiger counter were used to establish background radiation readings in Rabaul. These instruments were calibrated the day prior to departure for Robert by fack Group 7.1 and Task Group 7.5 Red-Sefety organisations. On return to Entwetch the calibrations were confirmed. A beorground desc-rate reading, taken at 2005



0.05 to 0.07 me/hr beta and gamma. This figure was confirmed at the hours, 25 July, exteids our quarters in Laboul, was established to be Rabeni Public Realth Authority Medical Climic on 26 July.

tures of the monitoring precedures. Tanaka of the SATUNA NABU watched the taking of all measurements on because of ourlosity, Chief Hate Oyana of the TAKUTO MARU and Captain interior spaces were monitored. This included officers and creas quar-Readings were essentially background on both ships. Similarly, the their respective ships. One crew member of the SATURA took still piothen beckground. While many of the crew members followed Captain Socks lookers. The readings in these interior spaces on both ships were lower rooms, the laboratories, and such spaces as paint, chain and stowage ters, mees, boths and heads; the galleys, the wheelhouses, the chart covers, rops, and samings, were menitored using an NG-5 instrument. the decks, bulkbeads, and exposed equipment such as winches, canvas, doss-rates on the ships. The entire exposed superstructure, including of 26 July for the purpose of making a detailed survey of radiation Both the TARUTO MARU and the SATUMA MARU were boarded the morning

quick to lot us know that these parts were from notal of United States and the samens cover were at background intensity. The Captain was The guas serve covered during the entire veyage and the rest of the gun estivity. The residings were 10 ms/he beta-gamen and 1.2 ms/he gamen only. stal parts of a gun, a fuse setting orank and a gunsight showed radio-It is interesting to note that on the SATUMA MARU, two brass-colored

Indiction readings taken should the ships fellows

Ħ

1. Rediction Readings - TAKUYO MARU

Date: 7-26-58

Instrument: NG-5 Bete-Gamma Geiger Counter #1146
Background ashore: 2200 hours 25 July 1958:

0.06-0.07 mr/hr Beta-Gamma

All readings on exposed outer surface unless noted. Probe held almost in contact with the surface. Beta shield open. Only maximum reading recorded over each area examined.

Location	Reading ar/hr	
Forecastle - Expessed		
Top of hatch - steel painted	0.07	
Ancher vinches - centre cover	0.06	
Vinch	0.05	
Rope coil on deak	0.07	
Wet bumper coil	0.07	
Canvas cover over steel eable	0.07	
Forepeak Spaces - Enclosed		
Paint looker	0.03	
Stowngo locker	0.02	
Chain locker	0.05	
Dock awning (in place on 14th)	0.09	Rolled up at)
Coil fire hese	0.07	time of reading)
Forward Deck - Exposed		
Winch cover - canvas	0.09	
Oily surfaces around visek	0.07	
Deek gurfaces - wood - portside	0.05	te 0.09
Windlags cover - cenves	0.09	
Dock surface - wood - starboard	0.06	
Voeden besek	0.11	This had not)
		been cleaned)
Best Book - Exposed		
kife raft cover - painted fabric	0.06	
Roel stool cable - canvas cover	0.05	
Dock surface - vood - aft	0.12	
Which cover - rebborised meterial	0.0	
Lifeboat - canvas top - aft - starboard	0.10	
Engine room ventilator area	0.06	
Lifeboot - carras top - fervard - port	0.09	
Togetable locker - painted enves	0.08	
■		•

2. Rediction Readings - SATURA MANU	Miscellaneous Ingine rece - see sustice Air exhausts into rece	Upper bridge - Exposed Deak grating - wood Compass cover - canvas Instrument cover - canvas	When the space - Inclosed Laberatory - work tables and floors Wireless recm - deck Calley - floors and work areas Observation room (Scientifis) - chairs, work space, decks the should bridge - portable carvas cover	Charters - Enclosed Crev's mess - benches and tables Deck Clark's room - deck Crev's head Officer's head Officer's bath Officer's mess VIP quarters - rugs and chairs	Poop Deck - Enclosed Capetan ensign space - deck Repe Cail Steering engine room eily floor	Leation
•	0.05	0.07 0.08	000 000	58858855 50000000	0.05 0.06 Entch only entrance	Reading ar/hr

Date: 7-26-38

Background Asbore: 2200 hours, 25 July 1958: Instrument: NL-5 Beta-Comma Geiger Counter fliké

0.05-0.07 ar/hr Bris-Games

contact with surface. Bots shield open. Only maximum readings recorded All readings on exposed outer surface unless noted. Probe held almost in



	Reading
Location	m/hr
Forecastle - Expect	
Deck - painted	0.07
Chain capetan cover - canvas	0.07
Nope real cever - cenves	0.07
Rope on reel	0.08
Gum cover - in place during trip	0.07
Brass fuse setting ring and brass gunsight	1.2 Gamma
714	10.0 Beta-Gamma
life raft - forward - port	0.06
Sounding machine cover	0.05
Boat deak - Exposed	
Life boat carvas cover	0.07
Searchlight cover	0.07
Machine gum cover - starboard - amidship	0.06
Life boat canvas cover - starboard - aft	0.05
ALLO DOLO CALIFED DOVER - CALIFORNIA - CALIF	4.47
Weether balloom hatch - canvas cover	0.07
Upper deck - Aft - Expessed	
Vinch cover - cenves	0.05
Canvas awning - not up during trip	0.05
Japanese flag - flew during trip	0.05
Fantail deck - Exposed	0.04
Vegetable locker	0.05 0.06
Ceil rope Deck - steel	0.07
nedr - treat	0.07
Quarters - Enclosed	
Grev's head - deak	0.06
Grow's bath - deak	0.05
Officer's head - deck	0.04
Officer's bath - deck	0.04
Purser's room - deck and work area	0.04
Vireless room - deak and work area	0.04
Grew room - deck and deak	0.04
Captain's quarters — dock and dock area	0.06
Work space - Enclosed	
Galley - tables and deak	0.04
Dispensary	0.04
Weather balloom - dock and goar	0.05
Observation room - scientific work spaces	0.04
and dook	0.05
Wassilanessa	
Miscellanous	0.05
See section pipes Air enhaust in quarters	0.04
NEL ASSESS TO MUTANES!	·-

Location	Reading w/kg
Bridge - Baclosed	
Charrytian room - dock	0.06
Steel dock	0.07
Compass outer - campas	0.06
Upper bridge - Expected	
Decking - wood	0.06
Dock - steel	0.06
Exposed exterior surface of bridge - steel -	
forward	0.06

B. DRINKING WATER

Drinking water was loaded by each ship before departure from Tokye and their supplies replemished following arrival at Rabenl. Helf-liter samples of the original drinking water loaded at Tokye, and, also, mixed Tokye and Rabenl water samples from different tanks were collected. The analysis for grees beta radioactivity was conducted by Task Unit 6 of Task Group 7.1 at Emisetok Preving Grounds. The results are as follows (see Tab D. Appendix III and IV):

TAKUTO	Grees Bota Astivity dis/ min/ ml	
Tulyo water Tulyo and Rabani water	0.7 1.3	
SATURA		
Tokyo water Tokyo and Rebenl water	5.0 0.5	

These results show me evidence of radioactive contamination. The preferred 30 day limit for beta activity in drinking vater is 2,600 d/m/ml, and the acceptable 30 day limit is 70,000 d/m/ml.

Neither skip was equipped with a distillation unit for evaporating sea water for drinking purposes.



F. CALCULATIONS OF DOSE to TAKUTO MARU Personnel

Japanese datas

1. 2000 hours JST 14 July Rainout started

2. 2030 hours JST 14 July Reinset over

3. 2200 hours JET 14 July Highest count of 37470 cpm

4. 0530 hours JSP 15 July Start of decontamination

5. Scintillation background = 2400 opm

6. Contamination of scintillation counterprobe was 11,235 opm

7. Conversion: 500 ope = 0.7 mm/wk

Other dates

1. 1230 hours JS? 12 July Detenation time

2. I - Lt-

3. Dose = 11 1-0-4,1-0

there: to " time of entry

ty - time of exit

In - intensity at H + 1 hour

Assumptions

1. The suspected event to have taken place at 1230 hours JST, 12 July.

NOTE: The only instance where we are able to extempt an estimate of the decay rate from the Japanese data is compatible with the assumed time of detonation of the suspected event.

- 2. = 1.2
- 3. Continuous exposure of personnel to indicated dose rate for the time period mood.
- 4. The 2030 hours 14 July for time of highest estate # + 55 hours = to
- 5. The 1130 hours 15 July for end of decentarizations 2 + 70 hours = to
- 6. The 0030 hours 27 July as time of menitoring MANCO:

Calculations

 Using highest count with me background or probe contamination deducted;

$$I = \frac{37470(0.7)}{500 (168)} = 0.31 mr/hr$$

$$I_1 = It^{-1.2} = 0.31(122.6) = 38 \text{ mr/hr } 0.1 + 1$$

t = 55

Dose to Infinity:
$$t_2 = m(Infinity)$$

$$D = \frac{38}{1.2-1} [55^{0.2}] = \frac{38}{0.2} [0.449] = 85 \text{ ar}$$

Dose to Momitoring: $t_2 = 300$

$$D = \frac{38}{1.2-1} \left[55^{\circ}.2_{-300}^{\circ}.2 \right]$$

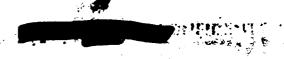
Dose to End First Decontamination: t2 = 70

$$D = \frac{38}{1.2-1} \left[55^{0.2} - 70^{0.2} \right]$$

2. Subtracting background of 2400 opn and probe contamination of 11,295 opns

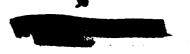
$$I = \frac{23.835(0.7)}{500 (168)} = 0.20 \text{ ms/her}$$

Dage to But First Decontemination: 12 = 70



G. SUMMARY AND CONCLUSIONS

- 1. The Japanese data showed that their highest dose rate reading was only fifteen times their background readings as recorded during the early part of their vayage.
- The beekground radiation level (0.06-0.07 mr/hr beta-gamma) in Rabaul was substantial, comparatively. We explanation for this is affored.
- 3. The relatively low ommulative games readings recorded on the SATURA decimeter do not necessarily indicate a true dose. It is entirely probable that radiation leakage of the instrument accounted for a large portion of the recorded dose.
- 4. The rediction dose rates on both the TAKUTO and SATUMA at the time of memitering were found to be substantially identical. The decontamination measures carried out on the TAKUTO were effective in reducing the radiation level to essentially background.
- 5. Japanese data maximises the whole body gamma dess insamuch as the scintillation orobe was held almost in contact with the deck. Similarly our radiation manitoring data is maximised since the gaiger probe was also held in this same position.
- 6. The meximum rediction decementals to TARVIO personnel is calculated to be less than 5 millirorniques. This assumes continuous exposure for the 15 hours from start of the rain equall to the end of the
 decontamination, at the highest count rate recorded by the Japanese. The
 dose rate by our our measurements at the time of our arrival was so small
 as not to permit any tenable calculations on this basis. Therefore, the
 Japanese data was used in all calculations. It will be noted that there



no eignificant difference between the white bleed counts and white bleed call differential results of the personnal of the TARWO and those of the SATUMA, which received no contempation.

- 7. The infinite grams does, even with no decentemination of the TAKUYO, would have been an ineignificant amount. Using Japanese data, the does calculates to be about 85 millirecations.
- 6. The exposure of the TAKUTO and error to an ineignificant radiation dose resulted from a very local and transitory rain-out of not more than 30 minutes duration.
- 9. The enalysis of the drinking unter samples collected from the TAKUTO and the SATUMA show no evidence of radioactive contempation.

CHAPTER IV

MEDICAL EXAMINATIONS AND PINDING

A. HEDICAL HISTORY

The medical history as obtained from the respective ship's physicians, medical technicisms and from the ship's personnel themselves (and confirmed by the history as taken by Charles Hassler, M.D., Australian Regional Health Officer) revealed that no personnel on either ship presented any complaints of illness to the ship's doctors subsequent to 14 July until arrival at Raheal. Upon arrival there, two people were examined by Doctor Hassler at the request of the TAKUTO NARU'S physician. (See records on Akagi and Massley Tab A, Appendix II.) Those individuals were not considered to have any symptoms or evidence of redistion sickness by Doctor Hassler or by us following our subsequent examination. At the time of our arrival, all personnel on both ships were reported to us as active in their normal detics with no loos of appetite, malaise or illness of any sort.

B. PHYSICAL EXAMINATION AND RADIATION MONITORING

Twelve persons from each ship were given a physical emmination,
They were also monitored for any external redissetive contamination
using an Hi-5 Deta-Gamma Survey Notes with the bota window open, after a
background reading was obtained in the emmining room.

These twelve people from each ship included the seven individuals the had originally been constant by Doctor Hassler and his staff, plans five others whose white blood counts were the lowest from each ship as determined by the counts performed by the TARRES MANY'S dector and by

30

the Australian health authorities. The SATUMA MARU's physician had not done any counts abourd ship.

The survey for possible redicactive contemination was a whole body survey with particular emphasis placed on the hair, fingermails and feet. It is mentioned that all of the personnel of the TAKUTO had previously showered and been given a shampoo and haircut. The background in the clinic where the emminations were performed was 0.06 milliroentgens per hour, beta and gamma, at the time of emmination. Home of the people examined had any contamination as determined by this survey. (All individuals were understandably very interested and servetimized the dial on the survey meter quite closely as they were menitered.)

The physical emmination included a careful inspection of the skin for possible beta burns or any early indication thereof. Hone were detected. In addition, the head and neck were examined carefully, including an ophthalmoscopic examination. He lenticular epacities were noted nor were any enlarged thyroids encountered. There were no abnormal instances of lymphedemopathy.

The chest and abdomen were emmined thoroughly (emmining genitalia and rectum) with me abnormalities seted. Although a nea-tender liver edge was palpable at the right sub-costal margin in several of these people, this was considered not unusual in individuals of this body build. He cases of splenementally were detected mar were any emlarged bidneys palpated.

Most pressures were obtained on all, and, allowing for mild elevations due to strangeness and possible apprehension, no hypertension



manes,)

Although explicit directions were given the evening before beginning the collection of urine, we cannot be cortain that they were collected as instructed. However, this is not too important technically since we intended to use the first morning wold for organics examination and expected probably to pool the urines, ultimately. We were sainly concerned with having specimens from each ship separately and in adequate amounts. These we are fairly certain we have.

Urines, blood vials and blood smears were brought back to hame station with us. Specimens were shipped by courier to Travis AFB and from there by commercial sig to:

1. 21-hour urines and intraveness bloods to:

L& Colonel James Martgaring, USA (MC) Walter Reed Army Institute of Research Washington, $D_{\rm e}C_{\rm e}$

For examination for any possible redicactivity.

2. Urines (first morning wid) tet

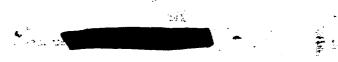
Health Division Los Alama Scientific Laboratory Los Alamos, New Mexico

For organic chemical analysis,

3. Most energ slides for white blood call differential evaluation to:

Colonel Frenk Townsend, USAF (MS) Populy Director Armed Ferons Institute of Pathology Washington, D.G.

It should be mentioned that it would have been impossible to accomplish these activities in one day without the facilities (laboratory,



35.

was diagnosed.

Norther neurological constinction was done on all and no abnormalities noted,

Copies of physical examinations are stached as Tab A, Appendix Y.

In summary, this was a group of twenty-four healthy young males who presented no complaints at the time of emmination or on questioning and who exhibited no detectible significant abnormalities.

6. LABORATORY EXAMINATIONS

A red blood cell count, white blood cell count, smear (alide method) for white blood cell differential examination, homoglobin (Sahli method) were done. Intravenous blood was drawn on six individuals (15 oc cash) for examination for radioactivity. These bloods were taken from the asteroidial focus veins directly by separate intravenous needles and allowed to drip directly into a 15 oc vial containing oxylate since we did not have available individual syringes of adequate size. The blood vials were numbered in accordance with the list attached (see Tab C, Appendix V.)

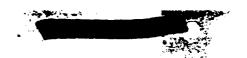
The blood mears were fixed in notify alsohol for two minutes.

They were not stained, but each was marked with a pencil number (no labels available) and placed in order 1-24, in correspondingly numbered slote in a slide ber.

All blood counts and homeglobin determination were done in order of taking and recorded (see Tab C, Appendix Y) as seen as done.

Blood vials very refrigerated at the clinic,

Treaty-four hour urine samples were callected on seven people, three from the SATON and four from the TARDTO. (See Tab 8, Appendix 7, for



alinical and transportation) and ecoparation made available to us by Mr. Foldi and Dr. Hassler. Of special aste was the cheerful, expert and unselfish, hard work of Mr. Shelton, laboratory Chief, and his entire staff of five people. All worked on with me through the moon hour (at their desire) until completion. We are extremely grateful and expressed ourselves to this effect.

B. CALCULATED DOSE TO PERSONNEL

- 1. Using all maximised assumptions and numbers so as to present the worst possible situation, we calculate:
 - a. Dose from time of reported rain-out to infinity:

85 milliroentgens

 b. Dose from time of reported rain-out to our arrival in Rabaul (12.5 days or 300 hours);

25 milliroentgens

e. Dose from time of reported rain-out to completion of first decontamination procedures (15 hours):

4.2 milliroentgens

d. Same as e above, but deducting background and probe contamination:

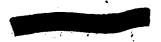
2.7 milliroentgens

2. For detailed calculations, see paragraph "F", under "Radio-logical Findings".

E. SURVARY AND CONCLUSIONS

- 1. There is no evidence at this time of any detectible effects resulting from exposure to ionising redistion.
 - 2. There have been no cases of radiation gickness on either vessel.

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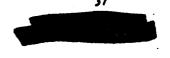
Any complaints of illness subsequent to 14 July 1992 were due to other emeses; i.e., possible infectious hepatitie or other intercurrent illness. It is noted that five total white blood call counts are below 5,000 and one count is 3380. Hemoglatin is normal and the red blood call count on these individuals is within normal range or alightly below. One red blood call count of 3,160,000, with a hemoglobin of 766, is recorded. It is not fall that these possible can be attributed to the redistion exposure experienced as per car calculations of the doce possived.

- 3. There will be no detectible effects and, in the light of present medical knowledge, no deleterious medical effects, in fact, resulting from the minimal redistion exposure experienced, as calculated by us,
- 4. There was no detectible evidence of radioactive contamination of personnel at the time of commination.
- 5. There is no medical indication for restriction of the normal activities of any of the personnel of either vessel.

NOTE: Since writing this report we have received (7 August) the results on the blood smears for white blood call count and evaluation.

These were accomplished at the Armed Forces Institute of Pathology and are recorded with the other blood results as Tab C, Appendix V. Comment: The wide range of results obtained by different techni-

gians and some of the apparent inconsistencies between (1) white blood cell differential and total white blood cell count, (2) platelets and red blood cell count and homoglobin, is not explained by us. The poor fixation of the blood mesors must be taken into account.



While there is no question but that such findings can be related to definite redistion mickness or nore, the absence of clinical complaints or illness in these individuals (departure) prior to our arrival or at the time soon (12 days after reported exposure) and the calculated maximum does received, makes any relation to redistion insuli untenable in this instance. The blood smear results as reported by the Arned Perces Institute of Pathology must then be regarded as incidental findings indicating further medical investigation by departure decision, partures, but on the basis of an etiology other than insuling redistion insult as a result of this present exposure,



Agent answer was concremental

in arriving at our esselucions. this backs, the dependes date was used in all calculations willised errival was so small as not to possit any tensile saleulations on Since the doce rate by our our natural manufact at the time of our

- during the early part of their vegues. reading was only fifteen times their background readings as recorded 1. The Japanese data showed that their highest deservate
- the skilled desimeter do not necessarily indicate a true dose. It is dientes a total doss of 30 millirestypes between the dates July 8-19. for a large pertion of the recorded doos. If accepted as real, it inentirely probable that radiation leakage of the instrument accounted 2. The relatively lev sumulative games readings recorded on
- the time of somitoring ware found to be substantially identical. The reducing the radiation level to essentially meiground. decentamination measures surried out on the fakulo were effective in 3. The radiation does rates on both the TARRES and SATURA at
- gaigur probe une also hald in this same position. much as the saintillation probs was hald almost in contact with the book. Similarly our radiation monitoring data is maximized since the Suprness data maximises the whole bety grams does into-
- one expecture for the 15 hours from start of the rain equal to the end is calculated to be less than 5 millirecateurs. This assumes continu-5. The maximum radiation dose possible to TAIUTO personnal

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of the descriptionsisten, at the highest court rate recorded by the Apesece. An additional E-3 millirecatgen total may have been acopted between this time and our arrival at Inhaml (total 300 hours).

- the fakutu, would have been an insignificant amount. Weing Japanese data, the dose calculates to be about 85 millireentgens. The infinite games dose, even with no decentamination of
- rediation does resulted from a very local and brancitory rain-out of et mere than 30 minutes duration. The expector of the TARUTO and ever to an insignificant
- the TARUTO and the SATURA abov no evidence of radioactive contemination. 6. The analysis of the drinking unter samples collected from
- resulting from exposure to ionising radiation. 9. There is no evidence at this time of any detectible effects
- to other enuses i.e., possible infectious hepatitis or other intercur-Test illness. Any complaints of illness subsequent to 14 July 1956 were due 10. There have been no eases of radiation steiness on either
- from the minimal radiation exposure experienced, as calculated by uspresent medical knowledge, no deleterisms affects, in fact, resulting il. There will be no detectible effects, and, in the light of
- tion of personnel at the time of examination 12. There was no detectible evidence of radioactive contamina-
- normal activities of any of the personnel of either vessel. 1). There is no medical indication for restriction of the

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SANSON TVERES

A. COMMENTS ON AUSTRALIAN RECORDS AND DATA

- 1. Ref: NBB 3/4/3776, dated July 21, 1958. (Tab A, Appendix II)
- is, of source, not consistent with our knowledge of the Legation of the 500 miles west of the last atem explosion eester in the Careline Islands" they were about 520 miles from Enivetok and 720 miles from Bikini acsuspected event which took place at Bikini Atoll. On the other hand, and as reported to our Covernment in their official advisories. earding to their position as shown on course plat (Tab A, Appendix III) a. Paragraph 3: The statement "they sailed through the Pacific
- B, Appendix 77). July 1998, column 3, paragraph 1, under subbeed "above limit." (Tab the higher normal background limit of the instrument in question. Refthe fact that Captain Matembara is reported in the local (Rabaul) nevepaper as using a figure of 70 to indicate that this represented a number is meaningless either as a dose or dose-rate figure in the context in actuality, the number 70 really indicates 20 counts per simute above such as "20 counts per minute above the limit of human safety." In which given. We time unit is indicated. This is further confused by transe neat paragraph below and page 4 story, MAMIL TIMES, dated 25 b. Paragraph 3: The statement "it was about 70 millireentgens"
- authorities. lefureses NB 3/4/1410 dated July 24, 1956, paragraph 6, besigned range quoted in their second interview with the Australian e. Paragraph 4: The numbers quoted are well within the normal



and ensure to question #7 in July 22 interview by Sub-Inspector Stourst.

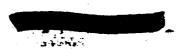
- 2. Ref: NED 3/4/1410, dated July 24, 1958. (Tab C, Appendix II)
- a. Paragraph 10: The "0.7 millirountgens" should read "0.7 millirountgens per week" according to information given us by the Japanesse. 36,000 opm represents 50.4 millirountgens per week, on this basis.
- b. Reference is made to paragraphs 4 through 8 on page 2, which refer to the only two cases of any sort of complaints mentioned by the Japanese.
- 3. Ref: 22 July Interview by Sub-Inspector Stowart (Tab B, Appendix II)
- a. Answer 3: (a) The correction in pea and red pencil on the original copy is not initialed and was done by one of the Mahaul officials. (b) We were informed by the Japanese that this number should be 3,600 and the correction is therefore authentic. The units should be opm (counts per minute) rether than all (milliliter).
- b. Attention is invited to questions 9 through 14 and the respective answers.
 - e. Attention is invited to the final paragraph.
- B. COMMETS REGARDING MEMPAPER CLIPPINGS
- July 24, 1998, Thursday. SOUTH PAGIFIC POST, Port Merceby,
 Papun How Outnot. (Tab A, Appendix VI)
- a. Attention is invited to paragraph one and the fact that this release was made prior to our arrival at Rabaul.
- b. Attention is also invited to the payagraphs referring to the absence of any illness or rediction injury.

- 2. July 25, 1958, Friday. THE RABAUL TIMES, Rabaul, New Britain. (Tab B, Appendix VI)
- 'a. Attention is invited to the page 1 bex and the two-page feature story on pages 4 and 5.
- b. Note is made of varying statements regarding distances from Enivetek Preving Grounds. Reference is made to Japanese Course Plats (Tabe A of Appendix III and IV)
- e. Particular attention is invited to column three, page 5, sub-head CAUSE.
- d. Under sub-head HORINO, these portions relating to activities of personnel of both ships is interesting.
- 25 or 26 July 1998, from Sydney, Australia († TELECRAPE).
 (Tab G, Appendix VI)
- a. This newspaper elipping was supplied to us by Mr. Our Smiles, local reporter, unselicited. The red pencil check marks are his, calling our attention to what he termed "nis-statements". They are, in fact, mis-statements, on the basis of our investigation.

C. COMMENTS OF MISSION .

- 1. Recognizing that the Japanese had been instructed to scoperate and offer all possible aid to us, the term numbers agreed that their information and data was given to us villingly, in good faith, and, vithout question, graciously.
- 2. It is believed that lack of specific knowledge regarding radiation measurements, interpretation of realings, and, cortainly, of profractionally known effects of ionizing radiation on people was responsible





to a great degree for the situation which developed. The apparently sincere and marked apprehension on the part of the Captains of both vessels for their people understandably contributed, also.

- 3. The term's original reaction to the fact that the ships had not gone to Gumm as originally planned was one of occours because of the greater lapse of time on the veyage to Rabaul, and the feeling that facilities for accomplishment of the mission would probably be more adequate at Gumm. However, we now believe that the actual developments will prove to be in the best interest of the United States Government. This, by virtue of the fact that a third and neutral Government entered the picture. Acide from one or two press reports which may have misqueted Doctor Hassler in regard to radiation sickness, we feel that the ever-all actions of the local Australian authorities were restrained and non-alarmist, especially in view of the fact that this was their first experience with such a potentially troublesome situation.
- 4. A large credit for the amouthness of our mission must be given to the local Australian authorities for their handling of the situation prior to our arrival. Every facility (medical clinic, laboratory facilities, transportation—both water and lead) was placed at our constant disposal and every courtesy extended to us.
- 5. The mission is considered to have been successful from our standpoint, but potential future Japanese press comments, particularly upon arrival of the ships in Japanese passes problems. This may be entiripated, especially in view of the reported presence of a Japanese propagar reporter about one of the ships and the establicated

imminence of the fertheening conference (12 August, in Japan) on banning hydrogen weapons tests. CR 5516

TOR 19/11092/JP

ROUTINE

DTG 190204Z

FROM CINCPAC

INFO CJTF 7 ENIWETOK

READDRESSED:

FROM TOKYO DTD 17 JULY 10 AM

TO STATE 110

INFO CINCPAC 32 (CINCPAC FOR POLAD)

COMUS JAPAN

**CNO NOT ADEED PASS BY CNO 171905Z 2 MARITIME SAFETY BOARD SHIPS NOW ENGAGED IN PACIFIC SURVEY PROJECTS IN CONNECTION IGY HAVE REPORTED HIGH LEVELS OF RADIOACTIVITY IN VICINITY OF TRUE. SHIPS HAVE INFORMED MSB OF 19,000 COUNTS PER LITER AND SEA WATER RADIOACTIVITY OF 247 COUNTS PER LITER PER MINUTE. VERNACULAR PRESS HAS GIVEN FAIRLY EXTENSIVE BACK PAGE PLAY TO THESE REPORTS. MSB OFFICIALS TOLD HAVAL ATTACHE THAT CREWS ON BOTH SHIPS ARE VERY WORRIED ABOUT RADIOACTIVITY. MSB, THOUGH NOT TOO CONCERNED ABOUT REPORTED LEVELS OF RADIOACTIVITY, HAS DIVERTED BOTH SHIPS TO RABAUL FOR FRESH WATER DECONTAMINATION. SIGNED MACARTHUR"

NOTE: REF 171905Z NOT IDENTIFIED

COG: J-3 INFO: COMD, J-4 LOG NR: 8762

TOR: 20/1930M JUL 58

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ALUSNA MELBOURNE

"MY 162206Z I MSB REPORTS SOME OF CREW OF TAKUYO MARU LOSING WHITE BLOOD COURT AS A RESULT OF RADIOACTIVE FALLOUT X USS INFORMALLY REQUESTED AID IN FLYING MINIMUM OF 10 AND MAXIMUM OF 51 OF CREW FROM RABAUL TO JAPAN FOR TREATMENT I MSB FURTHER REQUESTS AID IN DECONTAMINATING SHIPS I WOODEN DECK AND CANVAS AWNINGS REPORTED TO BE TROUBLE SPOTS I AMEMB CONCERNED AND RECOMMENDS MEDICAL AND DECONTAMINATION ASSISTANCE X AUSTRALIAN HEALTH AUTHORITIES PRESENTLY CONDUCTING TESTS ON CREW AT RABAUL"

NOTE: REF 162206Z IS LOG NR 8673, J-3

COGz J-3

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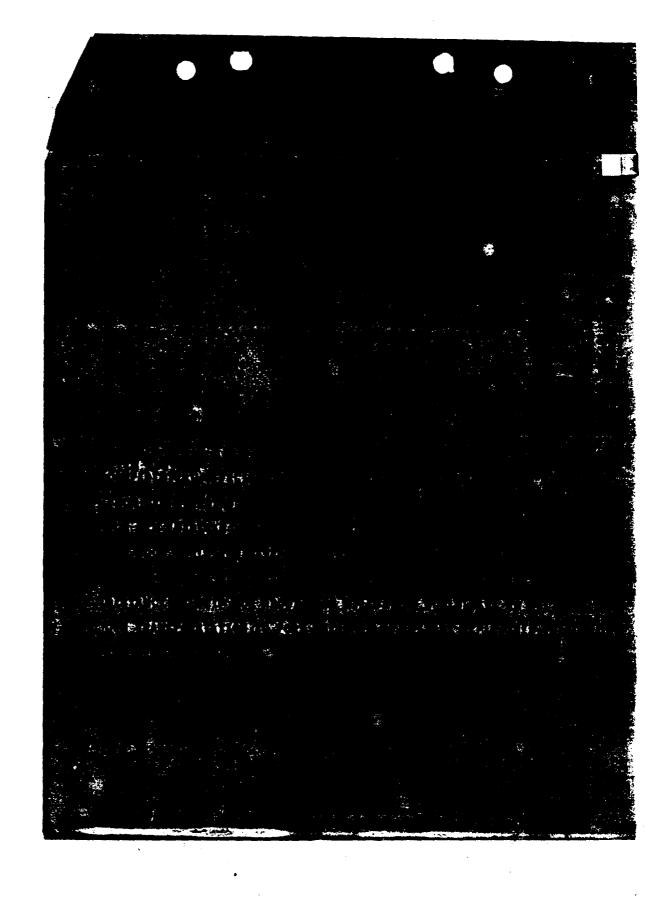
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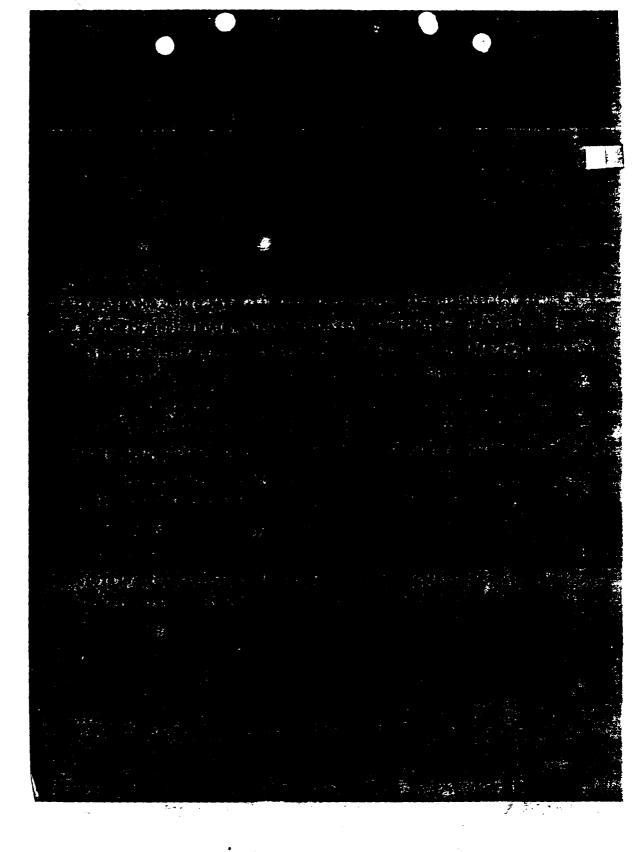
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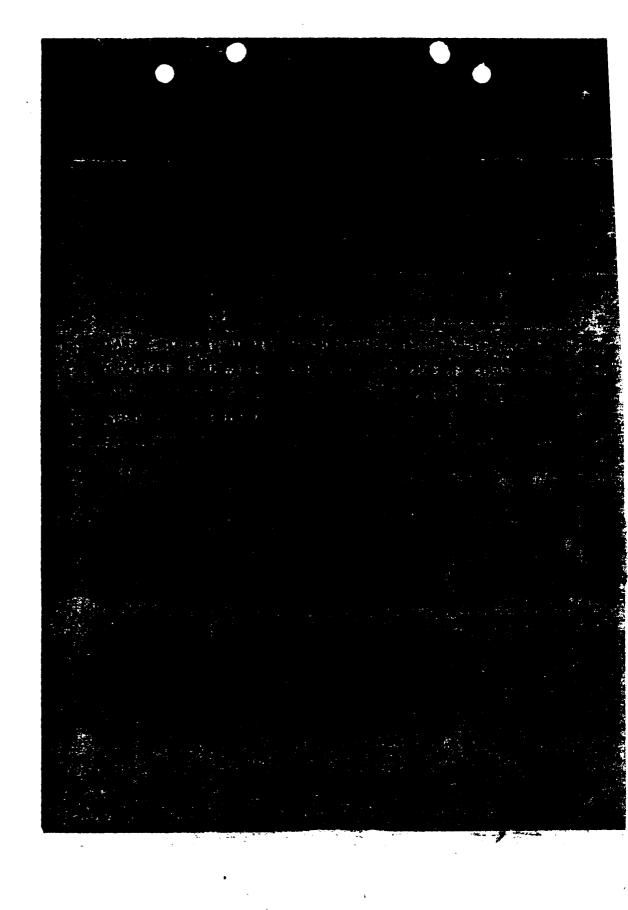
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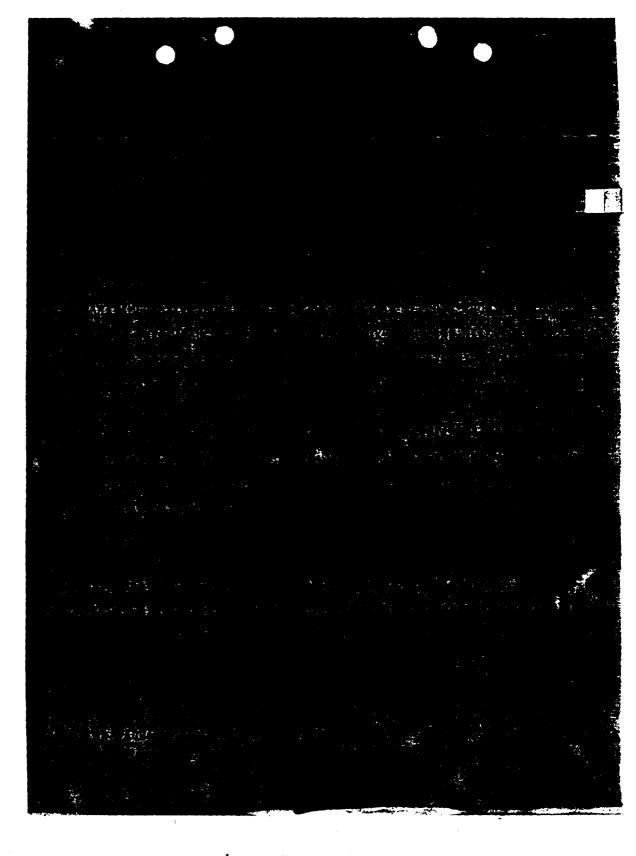


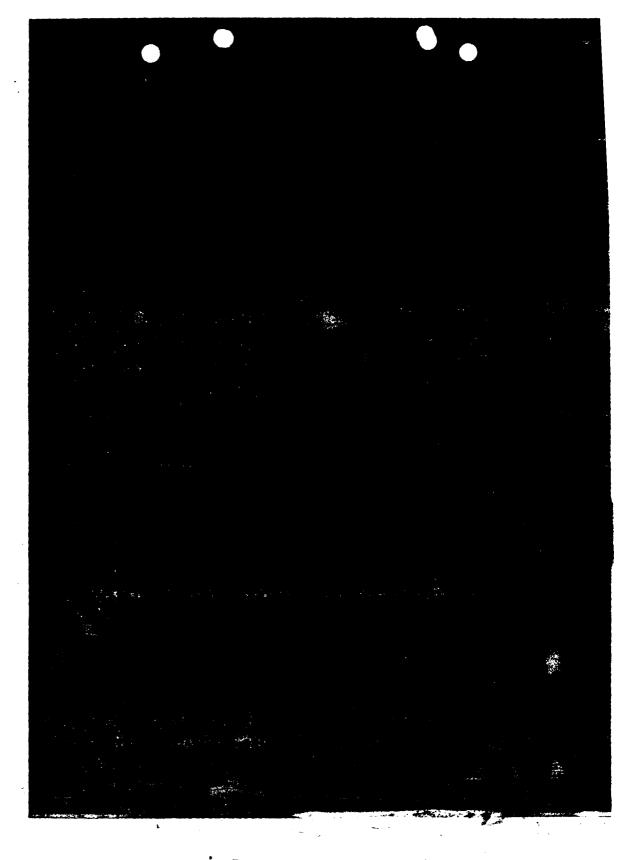


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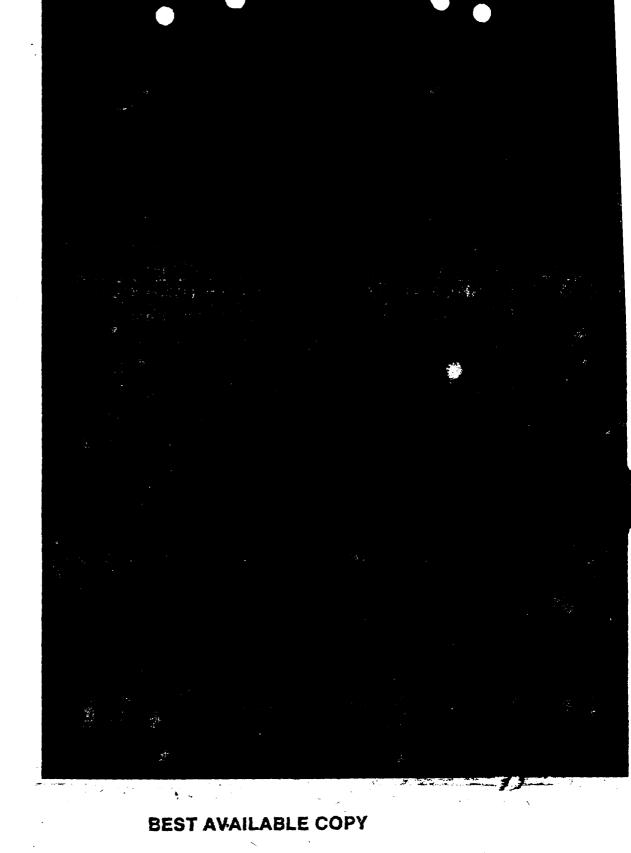


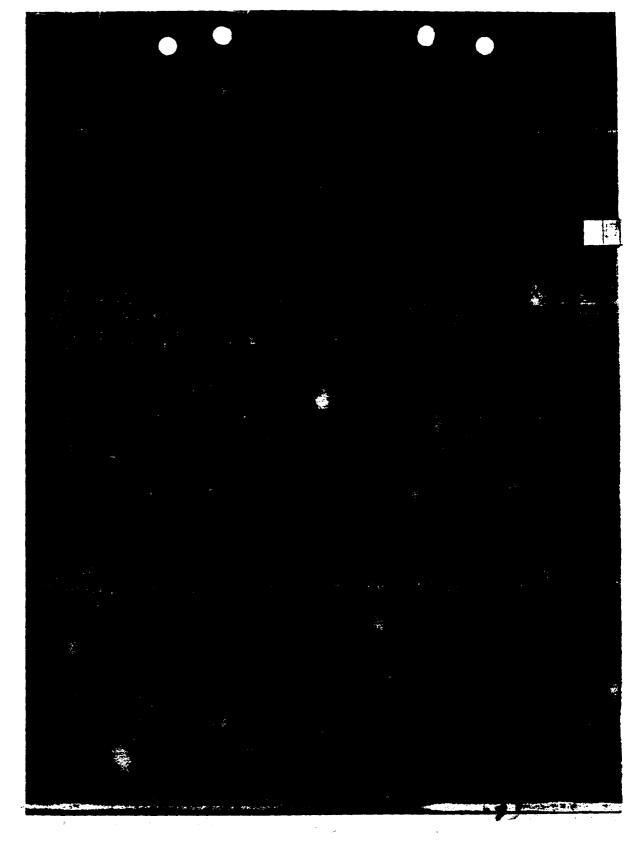




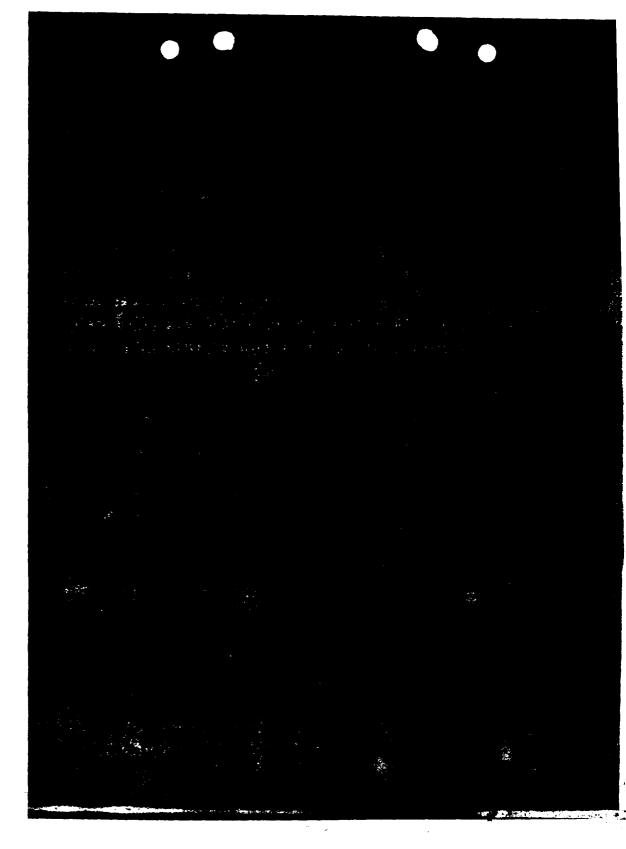


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IN REPLY TO YOUR QUEST THE POLLOWING TRAN IS STANDING MY:

HEAD INFO IN FIVE COLUMNS I HAME I BIRTH I WE GITING I WHIT ATTACHER/

LEGRAUSER, RALPE M./MENARE (ESSEE) H.J. 7 SEP 1906 E ESS E MQ JTF-7 E GOL ROSLEA UBAF

COMME, ROBOOK E. X POST FALLS IDARO, 31 DEC 1917 I YES I CTG 7.5 X CAPT. USPES PES-3124

MANSEN, GARL L., JR. I SPRINGFIELD (MANDDEN) MASS. I YES I TG 7.4 I IT GOL. WEAF 19353A

CREV

FRANKE, MALGOLM C. (PILOT) X SAN DIRGO (SAN DIRGO) CALLY. 13 APRIL 1923 X YES X TG 7.4 FAR KLEPCHT X LT COL USAF 15564A

FINCING, RUSSELL A. CO-FILOT X LOS ANGELES (LOS ANGELES) CALIF. 16 JAN 1932 X YES X TG 7.4 FAR ELEMENT X 18T LT USAF AC-3023310

VILLARD, BREEST N. III (NAVIGATOR) I ENGIVILLE (ENGIVILLE) TERRESSEE 5 JUNE 1927 I TES I TG 7.4 PAR ELEMENT I CAPT USAF AG-991264

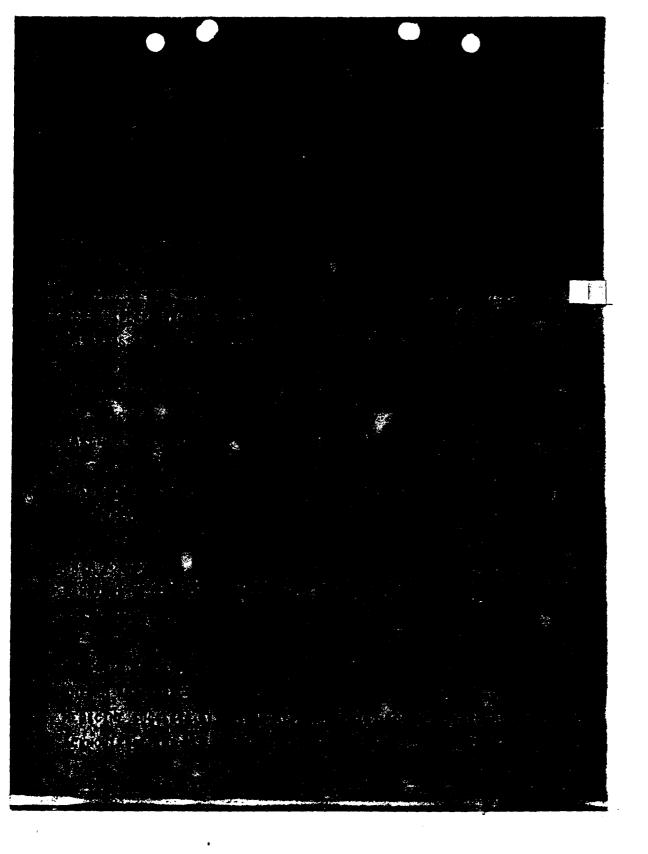
WARD, JAMES P. (RADIO OPERATOR) X MOMES, FLORIDA 6 MAY 1927 X YES X TO 7.4 PAR REPREST X 650T WEAF AF44113670

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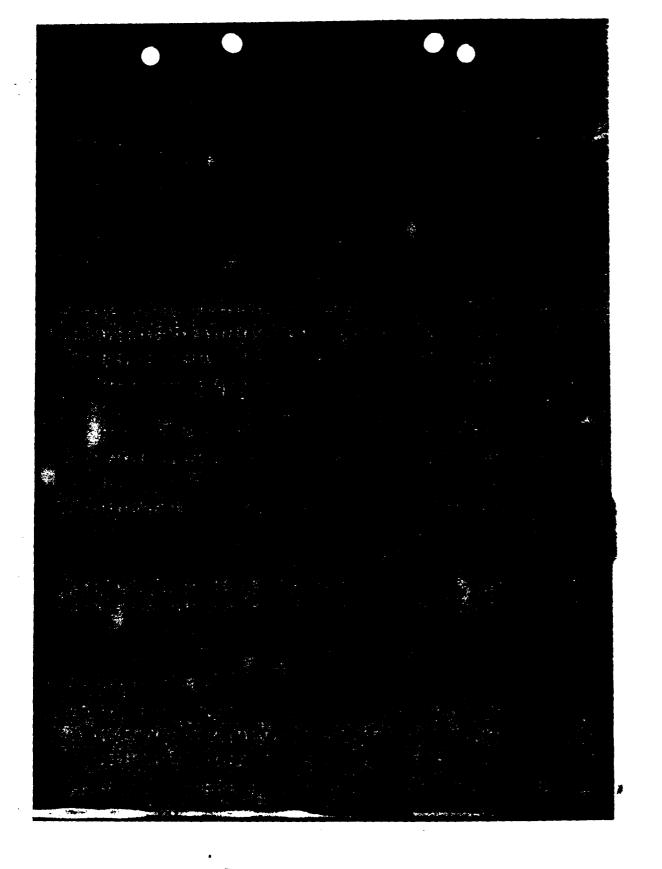
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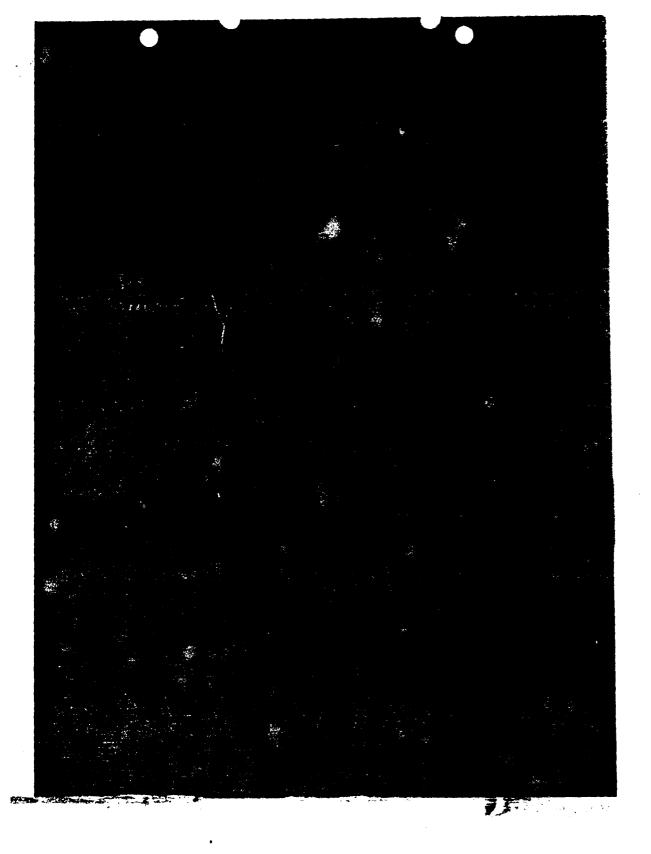
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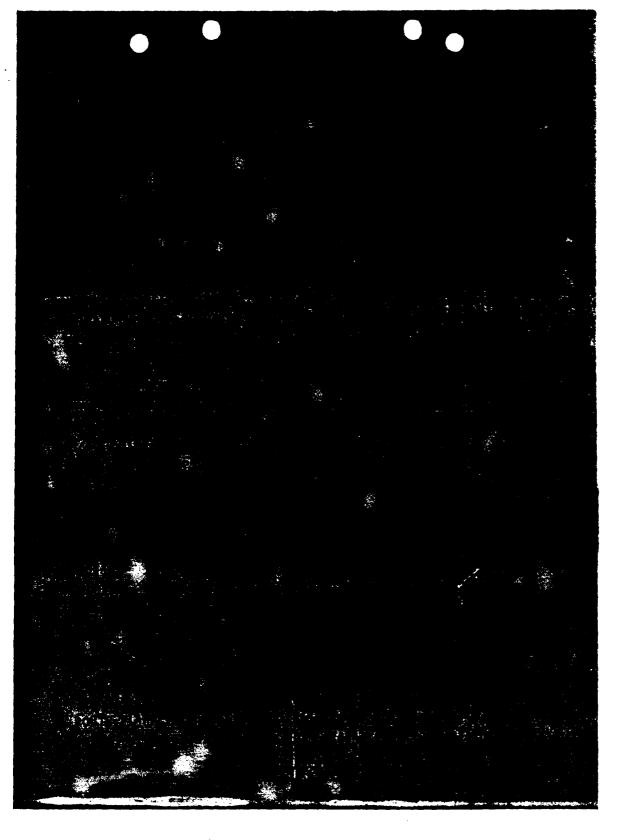
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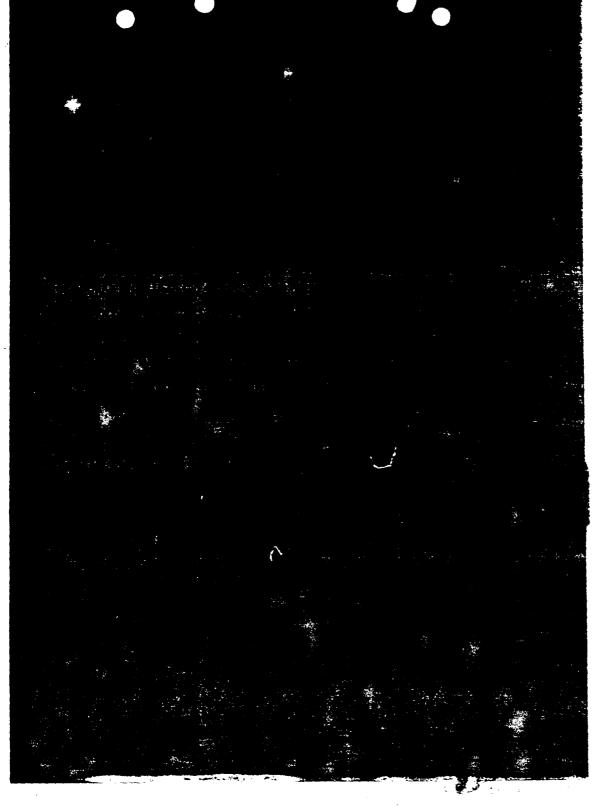
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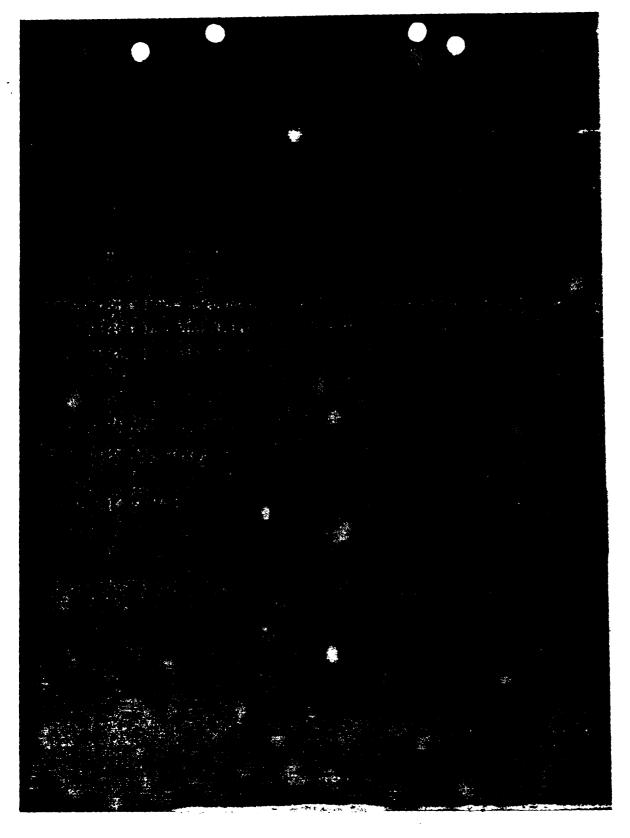
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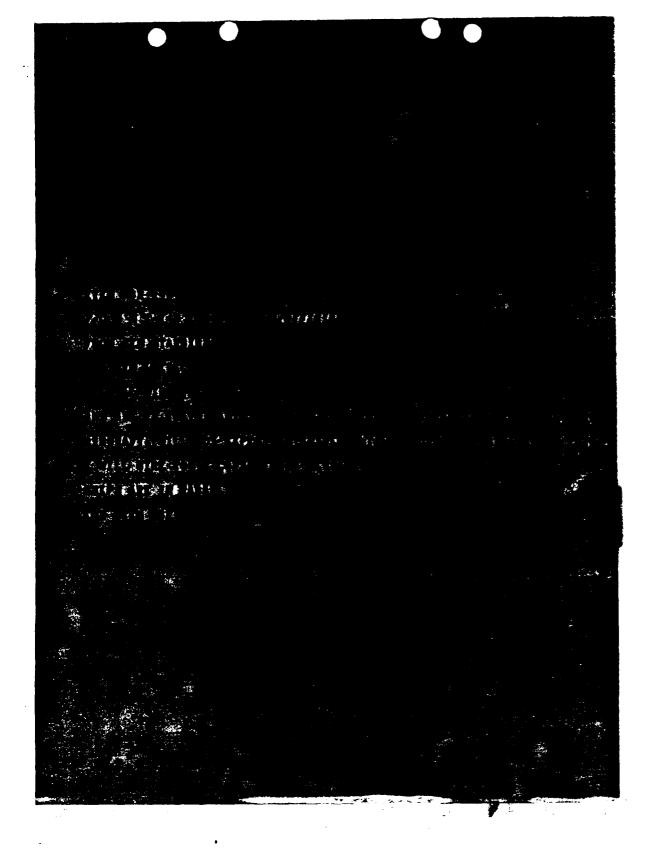
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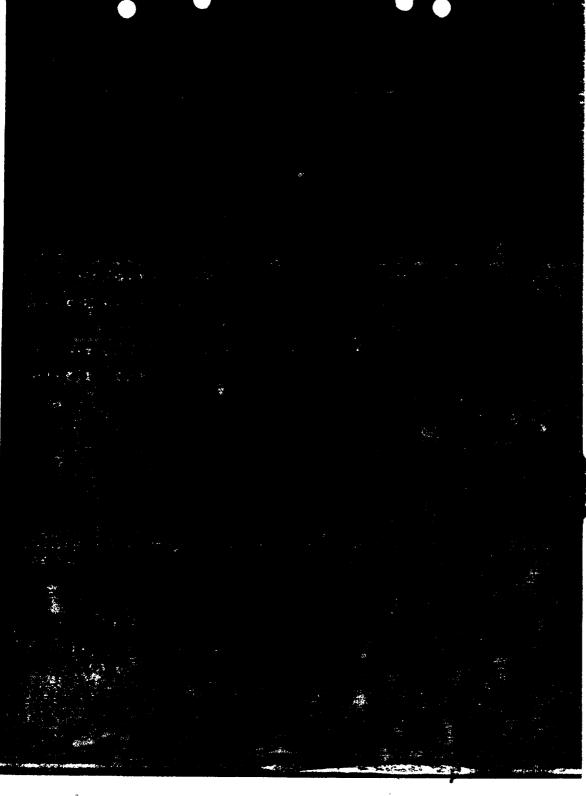
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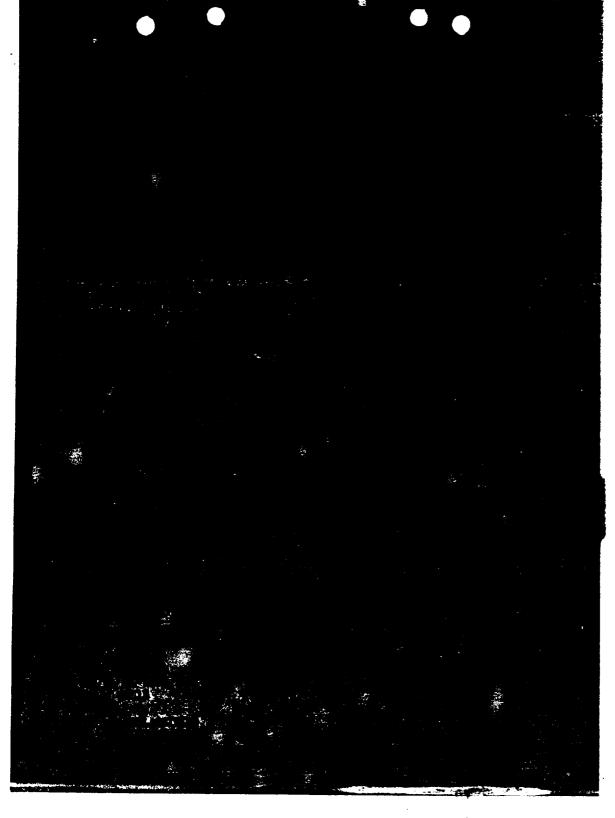
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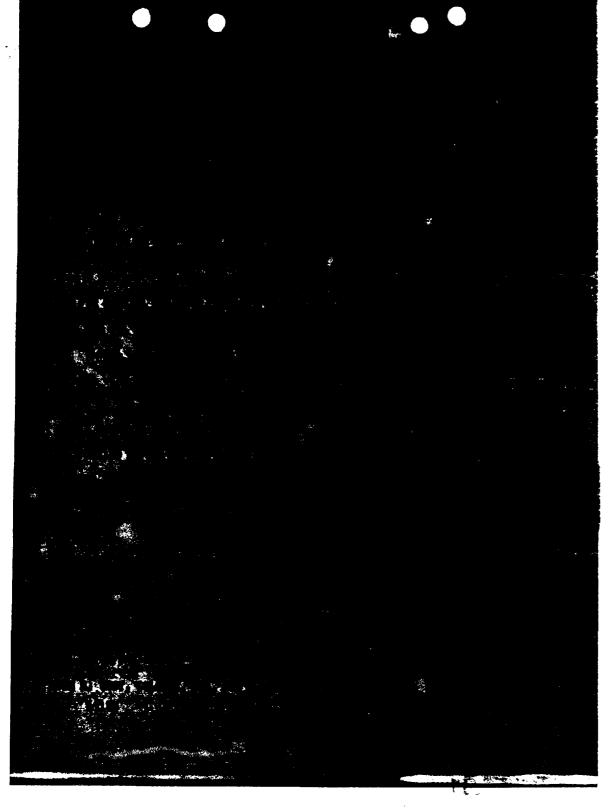
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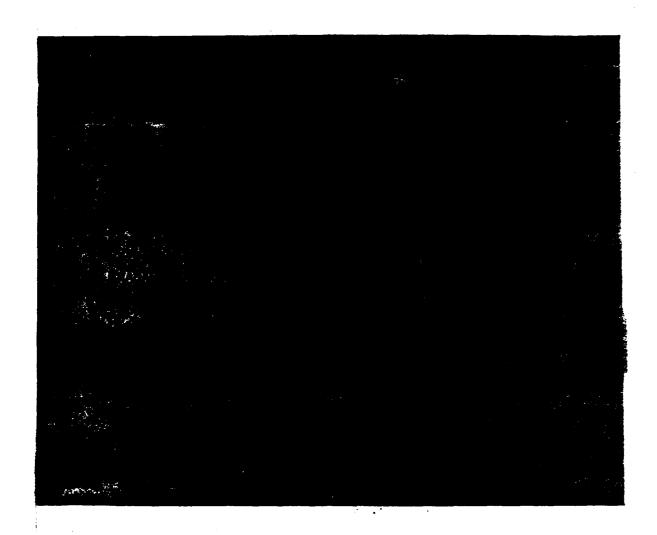
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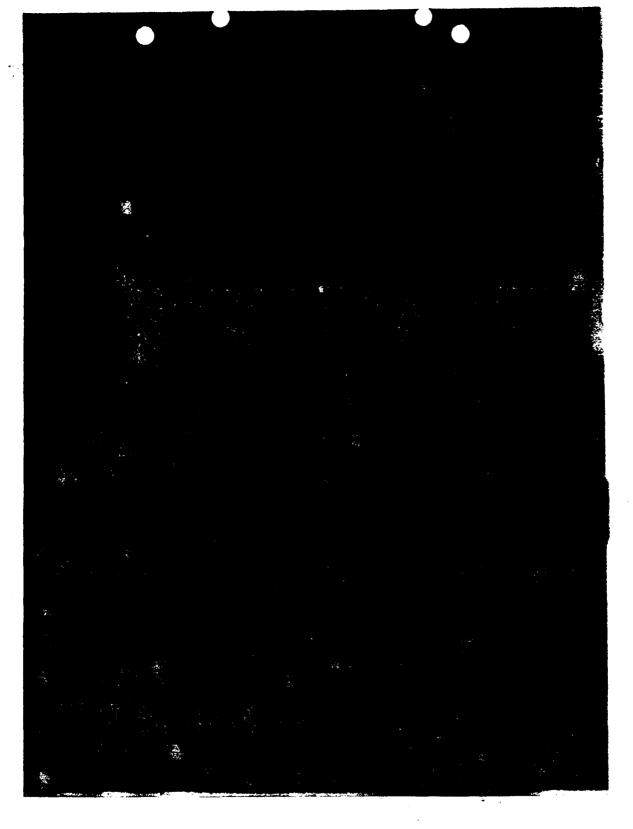
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98 MANAGE MEZ/ES

SPERATIONAL DOMBLATE REGULES (THEN RESEARCE) THE AND WARE DO

TO: GJTF 7 ENTHETOK NI // GJTF 7 JOHNSTON ISLAND

IMPO: GIRGPAG // BQ WEAT ATTH ATRESPONTE // SECONT FOR LOPER

(MRC-234)

FOR TIME PROK STARBING IMPO LURGECER.

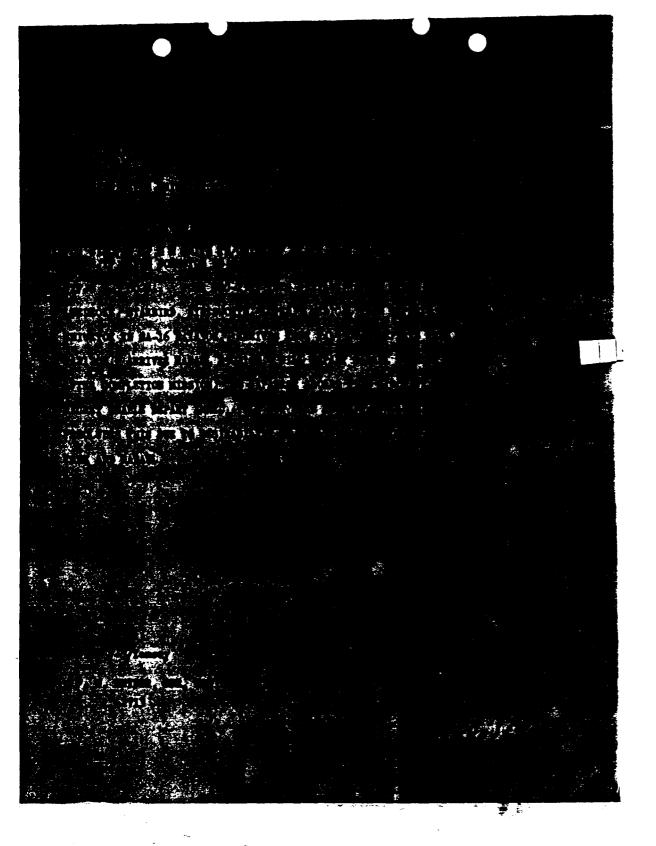
STATE DEPARTMENT ADVISES THAT ANDASSADOR MEALM, AUSTRALIAN ANDASSADOR TO U S, HAS ANTHORISED ENTRY INTO BARANE OF US AIRCRAFT WITH GRAW AND MEDICAL TRAM. YOU ARE MERENITH AUTHORISED TO DISPATCH AIRCRAFT IN ACCORDANCE WITH YOUR PLANS AS STATED IN SEVERAL MESSAGES TO ME. BEALE REQUESTS ASSURANCE THAT AIRCRAFT WILL NOT HAVE ANY JAPANESE ABOARD.

GOOD LUCE.

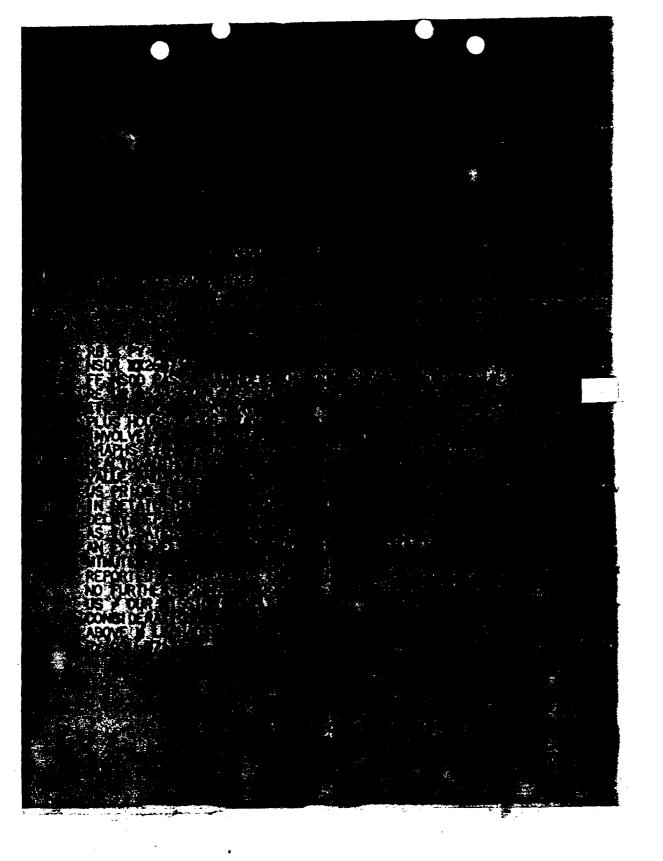
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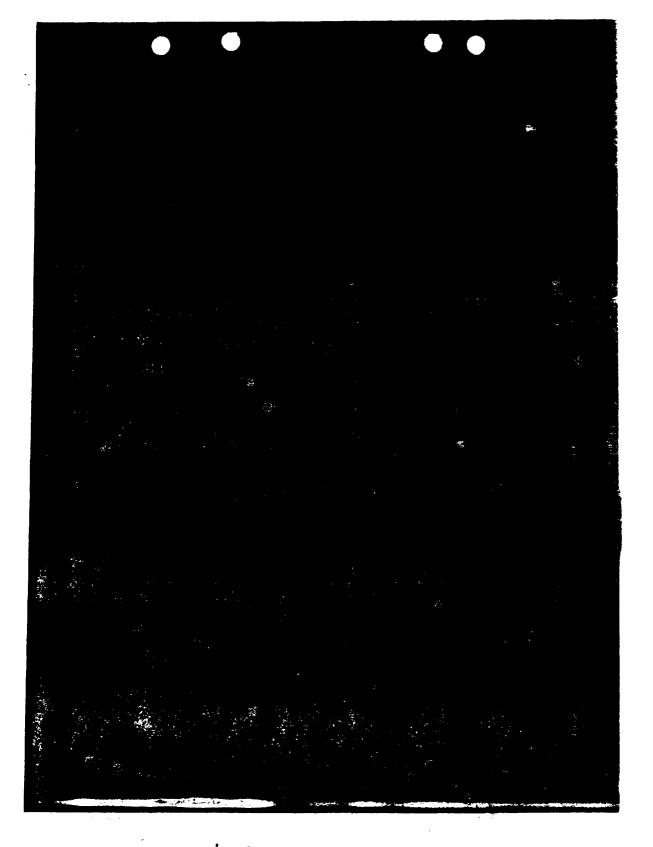
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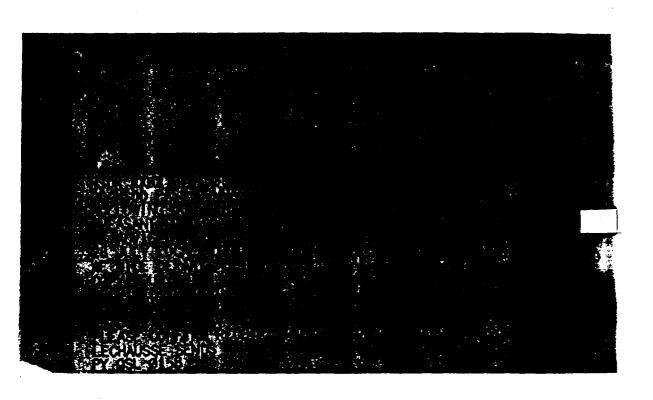


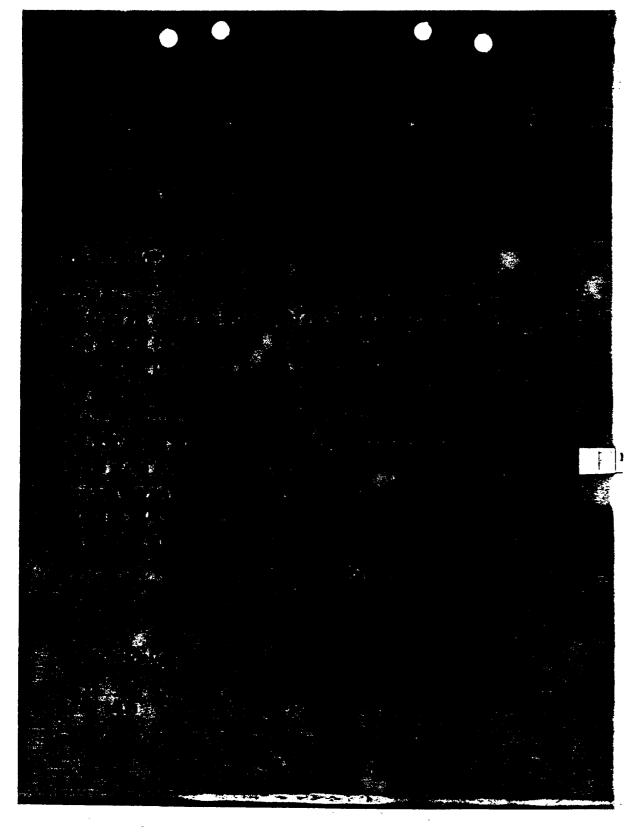
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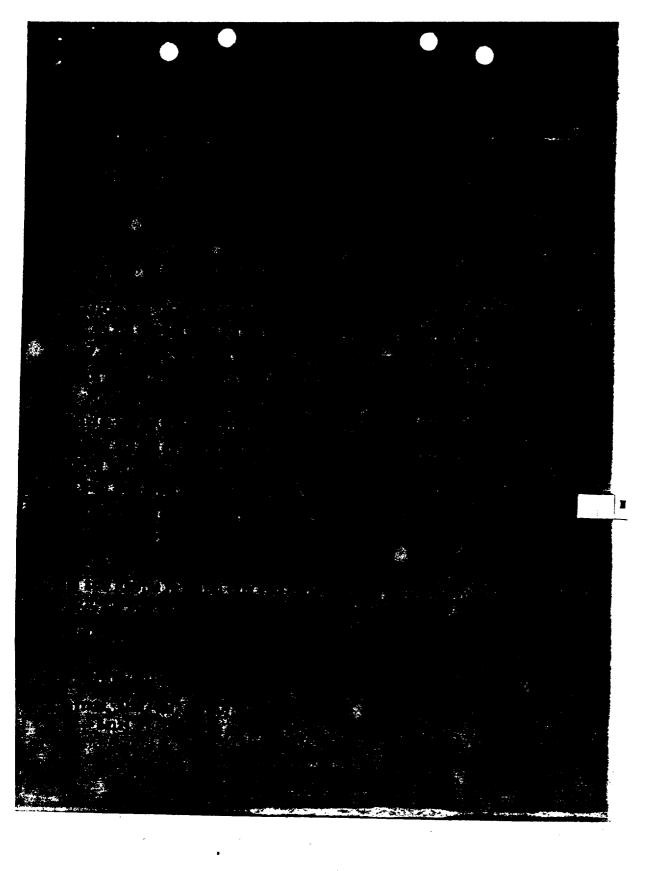
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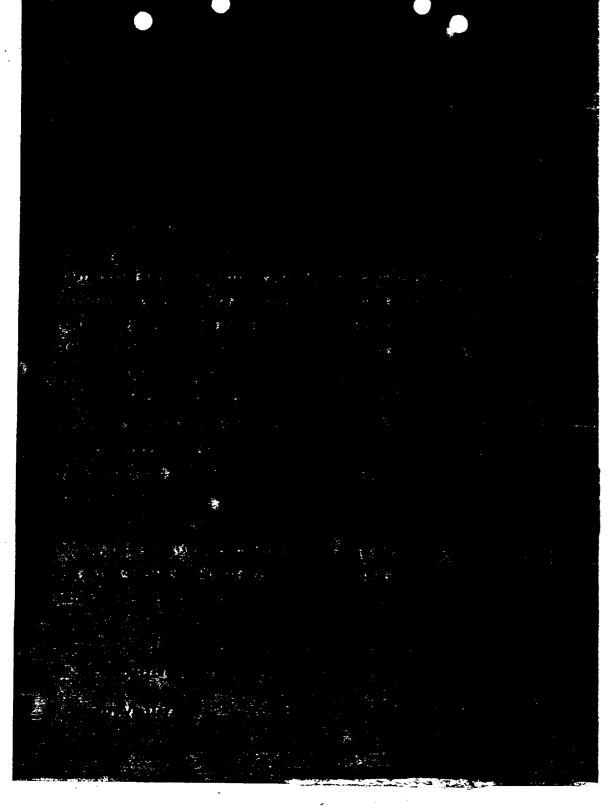




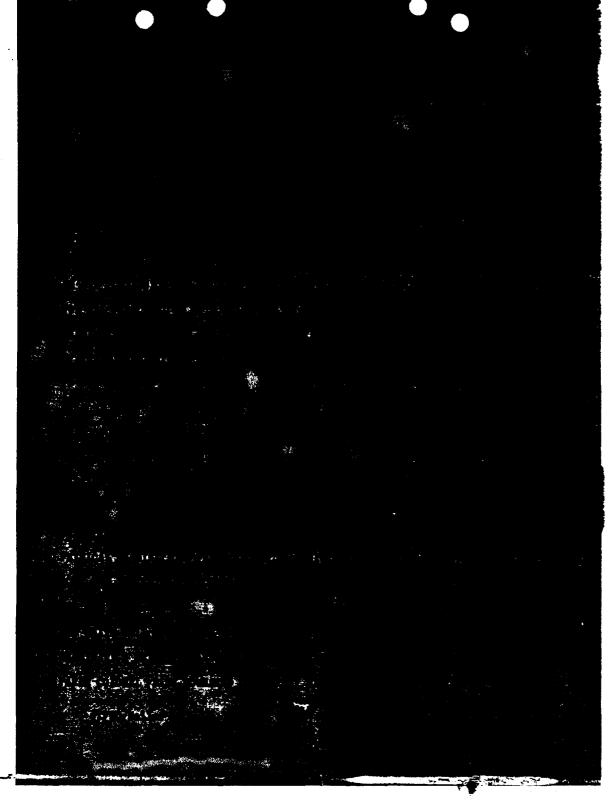
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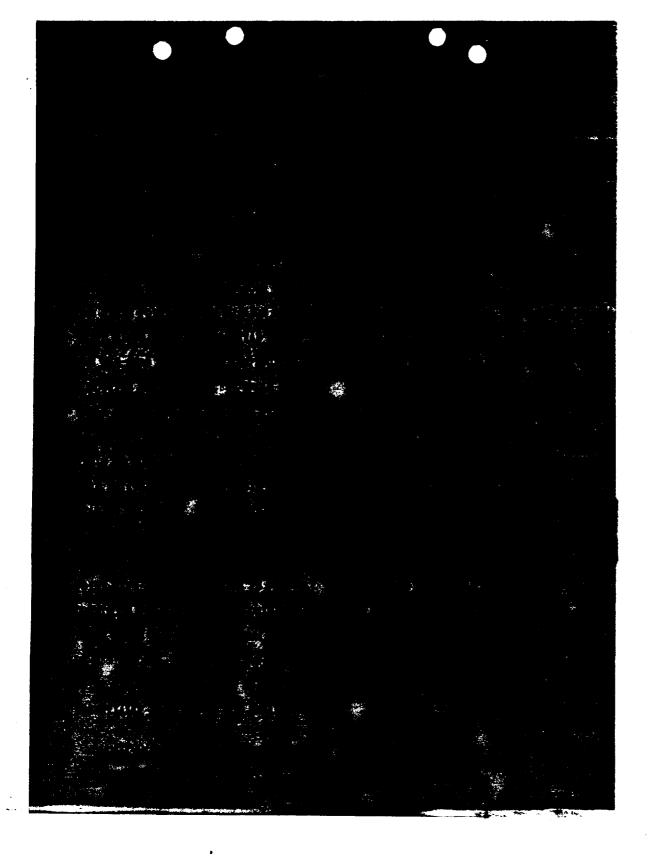
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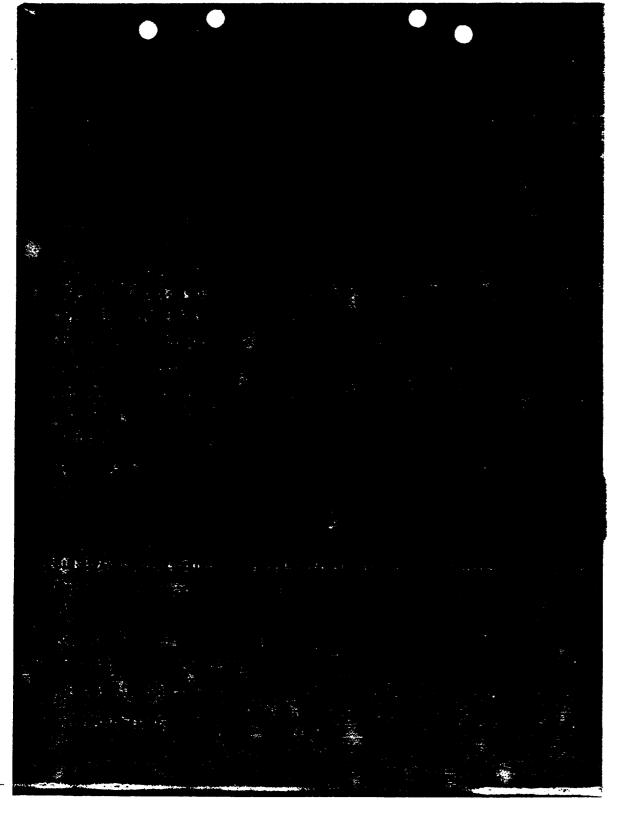
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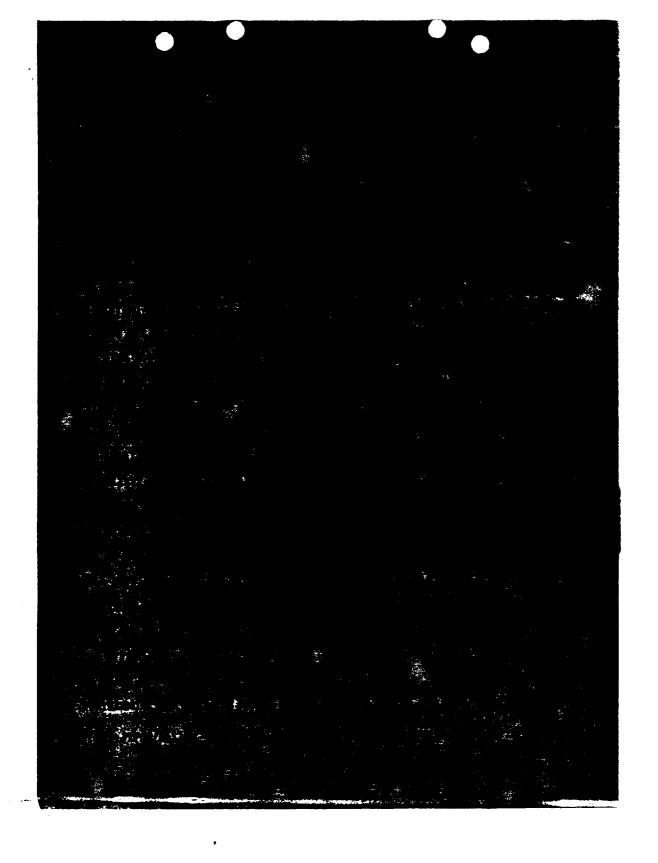
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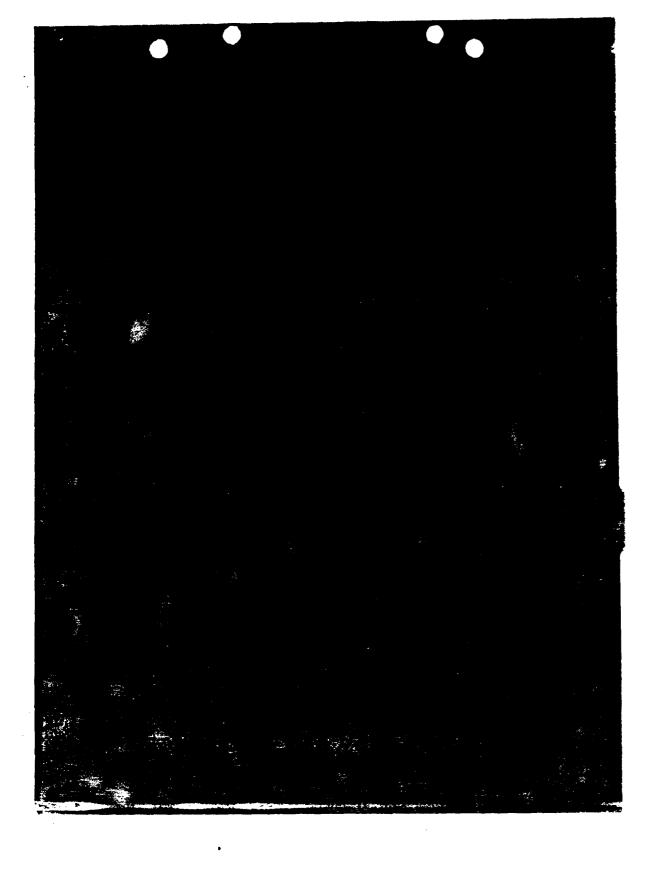
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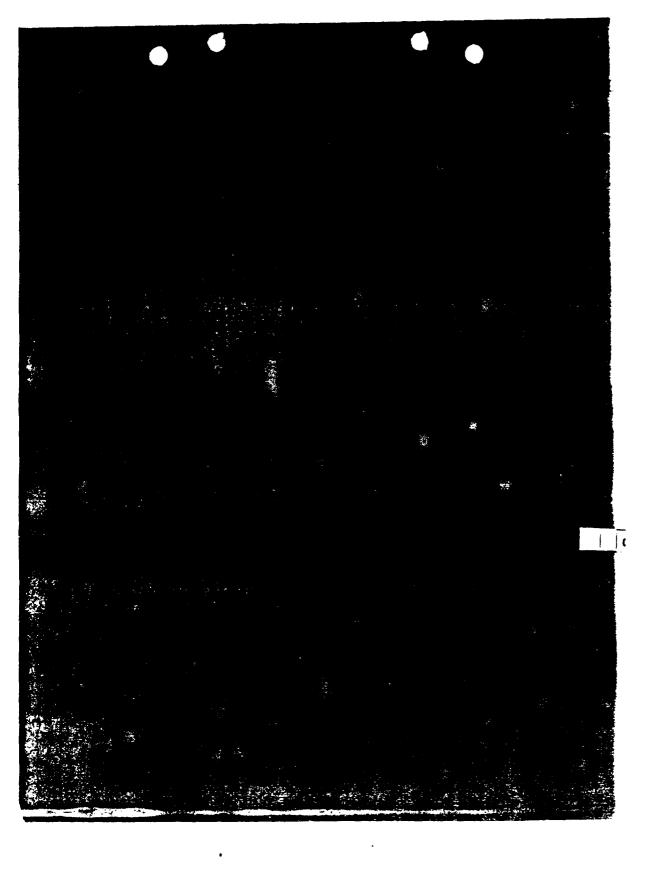
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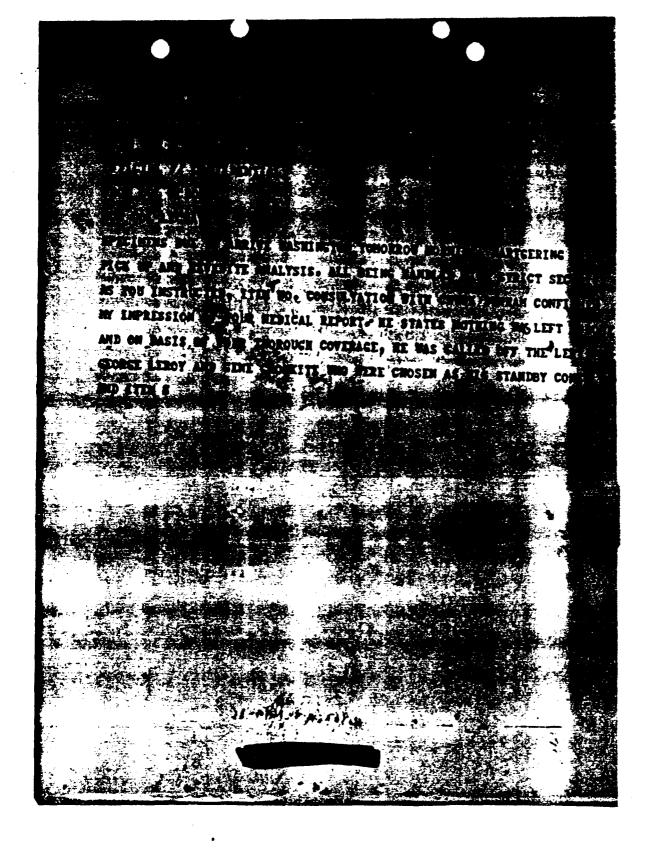
FOR COL LECELUSSE

MAYE JUST SEEN THE SUPERS RABAUL MEDICAL REPORT. COMPRATULATIONS ON

A JOB WELL DONE.

DED ITEM MER 7.

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On Saturiay, July 19, 1958, at 8 n.m. two Espanse patrol ships of the Japanese Navy on a cartographic survey arrived in Rabaul.

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According to his story, they sailed through the Pacific 5005 miles west of the last atom explosion centre in the Caroling Islands, they sailed in the route prescribes by the americal high command. The other ship "AATSUNO" sailed about 100 and miles west of them. A south-east wind stronger than calculated blew over their heads an atomic cloud. On the "TAKUYO", where they have all equipment such as geiger counter and scintillograph, they noticed about a week ago, at miley, that the ship was redio-active. According to their statement, it was about 70 milli Rountgen. They in the list by contacted their headquarters and took precautions - hogel the leck of the ship and cleaned the crew's clother, etc.

When these ships arrive at Rabaul, I immediately contacted you and, after our ratio conversation, we took the geiger counter from the ship to the Customs shed corner, where it registered 2h times per minute; on the deck of the ship the same instrument registered 29 times per minute.

The doctor of the ship reported that, according to his opinion, two members of the crew were affected. We took 7 members for blood testing and from the 7, 3 had counts lower than 5000 , leucocytes. For control we took 7 members of the other ship s crew, where we found two members had a count lower than 5000 as well.

Today we have tested the crews of both ships and the results are attached. We are also enclosing the scintillograph reports from the Shipt, which was contaminated.

According to the statements of the Captain, the "SATSUMO" was not contaminated and their instruments did not show radio-activity.

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I have to emphasize here that owing to interpretation difficulties, some of these statements may be incorrect. We have only one Impanese here whose English is more of less understandable; unfortunitely, the advocated members of the major to compeak only very your English. I failed, also, to make contact in other languages.

Unfortunatel, when we took the geiger counter to the Customs shed the Press reporter arrived and he saw these activities and, so, thenews spread quite speedily through Mabaul and further afield.

In accordance with your instructions, the ship was not put in quarantine and the crew were free to move about; but I recommended the people not to go on board the "TAKUYC", in

REPORT

TO QUARANTINE OFFICE

J.C.G.S. "TAKUYO"

THE VALUES OF SCINTILIATION COUNTER AT THE LEFT SIDE OF BRIDGE FROM 19TH TO 21ST

19 T H	7.00 AM	10.500	c.p.m.
	2.00 PM	9.200	c.p.m.
	6.00 PM	7.550	c. p. m.
20TH	7.00 AM	7.902	c.p.m.
	NOON	7.860	c.o.m.
21ST	10.00AM	5,090	c.p.m.

or the avoid any michap.

C. Haszler, Medical Officer, New Juines Islands.

COMPARATIVE BLOOD COUNTS OF THE FIRST 14 SEAMON

ENOW THE ETO DIAM

20 2 5		21 7 60
19.7.5	2	21.7.58
4. W.B.	c. 9,500	5,650
2.	10,300	4,450
3.	6,000	6,800
4.	9,700	ರಿ,150
5•	3,850	4,150
6.	4,350	4,200
7•	3,350	3,550

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PATHOLOGY REPORTS FOR JAPANESE COAST GUARD SHIP "TAKUYO" 21/7/58

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PATHOLOGY REPORTE OR JAPANESE COAST GUARD SI. "SATSUNO" 21.7.58

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PATHOLOGY REPORTS FOR BLOOD TAXEN ON 21/7/58

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22nd July - Interview by Sub-Inspector Stewart

- Q. What date exactly in a you notice radioactivity?
- A. 14th July 1958.
- 4. How iil you notice it?
- A. At a noon check on lith July 1958
- Q. How much was it?
- A. 35,00 ml
- Q. Did you notify Hestquarters Jacon?
- A. Yes
- Q. What was their answir regarding the darger?
- A. Ordered to leave that area.
- Q. What iii you lo?
- A. Left the danger and washel the ship down with a neutral cleaner.
- Q. What is the normal counting for

Gaiger counter? A. 23 - 50

Scintillograph? A. 24,00 2400

- Q. What is the scintillograph result to say?
- A. 2,000

BEST AVAILABLE COPY

- Q. Has any member of the crew felt dizziness? Or nausea?
- A No
- Q. Did any member of the crew vomit? A. No
- Q. Any loss of aperito? A. No
- 4. Are there any ekin-conditions? A. Yes sumburn before that July and efterwerds.
- Q. Any loss of hair? A. No
- Why did the doctor think at the beginning that two members are effected?
- A. The Doctor took two crew members at random and found their blood counts low.

Weather conditions on the day of 14th July 1958 - scattered showers after which was found radioactivity on the deck.

On 14th July 1958, about 1100 miles from Rabaul

11.30 a.m. noticel radioactivity coming by the scintillograph. (A normal counting reads 2,400)

Radicactivity rose to 3,600 - squall coming (8p.m.)

8.16pm redicactivity at 35,000

8.30pm rain stoppe:

10pm maximum count of radioactivity at 37,000 c.p.m.

Of the 51 members of the clew, two wire chosen at random and tested for radioactivity. These two had low block counts. There was affinitely no sickness in the crew whatsoever,

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Best available copy

NBD 3/4/1410

Department of Public Health, RABAUL.

July 24, 1958.

Director, Department of Public Health, PORT MORESBY.

<u>Subject</u>: Additional Report on radiation contaminated Japanese vessel.

My NBD 3/4/1378 of July 21, 1958, refers.

On July 22, 1958, at 7 p.m., accompanied by Sub-Inspector Stewart of the Police Department, I interviewed the officers of the "TAKUYO" regarding further details and clarification on some points.

Sub-Inspector Stewart was, ofter the War, stationed in Japan for a long period on has some practical knowledge of the Japanese language.

We found also from the "SATSUNO" one officer ith practiceable English and with the help of the two officers, we could gather information regarding the accident.

"TAKUYO" was making routine checks for radiation faily. The ship is equipped with a geiger counter and scintillograph.

On July 13, 1958, the sky was slightly overcast and a strong south-east wind was blowing.

On July 14, 1958, about 1,100 miles from Rabaul, at 11.30a.m. they noticed that the counting per minute on the scintillograph was 3,600 (the normal counting is 2,400). At 8 p.m. a squall hit the ship and at 8.16p.m. the scintillograph showed 35,000 counts per minute. At 8.30 the rain stopped. At 10p.m. the maximum count of radio scrivity was recorded at 37,000 counts per minute.

Tokyo was contacted as soon as possible and the ship was advised to leave the area at the highest speed possible. They were also advised on how to clean the ship with a neutral cleaner. Esdiation was mainly observed on the deck of the ship but was also observed in a small quantity below the deck. Rooms below the deck were cleaned on July 15, 1958. Clothes of the crew, canvas, etc., were also washed and checked. At Rabaul, a haircut for each member of the crew was ordered and carried out.

Regarding the evaluation of the counting I have been advised by the specialised officers of the ship that the geiger counter normal values are between 23 and 50 per minute. Scintillation count is 2,400 per minute normally.

On July 22, 1958, the acintillograph counted, on the leck, only 2,000 per minute.

ė, •

As far as I can ascertain, the ship was instructed from Tokyo that 500 scintillograph counts per minute are equal with radiation of 0.7 miliroentgen. 36,000 scintillations would mean 42 miliroentgens per week. They were aivised that this was not a dangerous dose.

It was mentioned by the Captain that according to his knowledge 100 miliroentgens per day and 500 miliroentgens per week were not a dangerous amount of radiation.

Regarding the medical side of the interview, the Doctor of the ship stated that on the 15th and 18th July, he chose ten members of the crew at raniom and checked their leucocytes. Then the ship arrived at Rabaul, he was of the opinion that two crew members may possibly have been affected as they had be courts. He asked for further investigation to be carried out. He stated that no member of the crew has minch complained of dizziness, nausea, womiting or loss of apetite. The only skin condition was sunburn, which occurred both before and after the accident. No loss of hair was observed and no general medical complaints reported.

In the second part of this interview, Mr. Poldi, District Commissioner, was present.

On July 23, 1958, two sailors - and - of the "TAKUYO" were seen at the Town Clinic.

(B.p.110/70) complained that at 5 a.m. on July 23 he felt dizzy with slight nausea. He complained of pain in the lower abdomen, slight heatache and weariness. On examination, no clinical signs could be found. Pathological tests were carried out with full bloof picture, urine and stool examination. To nositive findings were made. (See attached reports).

(B.p.120/70) complained that on July 22 at 1 p.m. be became sick, felt giddiness, dryness of the mouth and lips and feverish. On examination, only slight sensitiveness could be felt on palpation in the right upper abdomen in the liver area. In the urine no bile salts were detected. The vapaness Poeter claime that according to his examinations, Urobilizagen was 1 + positive. Julse was 70; temperature 97.5. Our examination did not disclose any other physical signs.

To the examination of these two wailors, I asked the cooperation of Dr. Topham, and he agreed ith me about the negativity of the clinical symptoms.

Please fini attached, the following:

- 1. Reports on
- ani
- Total white cell count on the crew of "SATSUMO".
- 3. Differential count reports on ten members of the "TAKUYO" and one member of the "SATSUMO".
- 4. The risults of the fourteen first exa ined brow members seen on Thing 20 4958.

C. haszler, A/Regional Medical Officer, New Guinea Islands.

ENCLS.

LABORATORY REPORT

Received: 23.7,58

Namet

Speciment Tine

Physiciant Dr. Haszler

Specifie Gravity7022

Colour: Amber

Albumin: Not detected

Sugar: Not detected

MICRO:

Pus cells: 3-7 per high power field

R.B.C. 's nil per high power field

Squamous epithelial cells: Numerous

Mucus threads: +

Crystals: Nil

Casta: Not seen

Other abnormalities: No bile salts detected.

LAPORY REPORT

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Sugar: Not letest 1

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Simmous emitted in a relative Few

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Christals: Nil

Casts: Not ann

Other Spromostres: 'so bile salts detected.

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LABORATORY REPORT

Received: 23.7.58

Namer

Specimen: Blood

Physician: Dr. Haszler

Hb.104% (100% = 11.5 grms)

Total R.B.C. 's 4,990,000 per cmm.

Colour Index 1.0

Total leucocytes 3,450 per cmm.

Neutrophils 59% Eosinophils 4% Basophils -% Monocytes 8% Lymphocytes 29%

Remarks: Cells normal in appearance.

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(Rev. June 1946)

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87. A.	126	DOD PRESSURE	178.	C.	51		- 38. A 87	TTIRE		A. AFTER					RECUMBEN	T 8. 5		ANDING
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SZ. HETE	BOPHORIA (Sp	ect/y evenues))															
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63.	ACCOL	MODATION		64. co	10E VI	HON (Te	et weet a	nd 700	ulf)				CEPTION		UNCOR	RECTED		
RIGHT		LEFT									1 "	-	-	re)	CORREC	789		
66. FIELE	07 VISION			67. 41	SHT VIS	ion (Ta	al west 0	nd 000	74)		68. R	ED LENS	TEST		69. IAT	TRACCUL	- TENS	HON
). HEARING				71 ANDION						<u>L</u>							
70.	**		71.	71. AUDIOMETE								72. PAV	HOLDS!	CAL AND P	SVCHOME	*		
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LEFT WY		1 SA	/15	LEFT	├		 	 	╅	+	<u> </u>							
74. SVWM	ARY OF BEFEC	TS AND DIAGR	OSES (Lied	diagnoss s	nik ila			nal ake	nda if ma	y)							-	
78. RECO!	MENDATIONS	-FURTHER SP	ECIALIST EX	AM INATIONS	INDICA	7ED (Sp.	eni/b)						76.		A. PHYSICA	L PROFII	LB.	
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77	mes (Charle)													Щ	1	<u> </u>	<u> </u>	
77. EXAMINES (Chesh) A. IS QUALIFIED FOR B. IS NOT QUALIFIED FOR													•	. PHYSICAI	L CATEGO	ey.		
	E. IF NOT QUALIFIED, LIST DISQUALIFYING DEFEC				'S BY FFEM MUMBER									工	•	c		E
75. TYPES	L. HAI	NAME OF PHYS	BICIAN L Col -	TRAP						BIOMATUS	•		L			L		
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BI. TYPES	I. TYPED DE PRINTED RANE OF DENTIST OR PMY				inale v	رفسد				SIGNATUS	18 ,			<u> </u>				
62. Typen	TYPED OR PRINTED NAME OF REVIEWING OFF									SIGNATURE NUMBER OF AT-							AT-	

•				TÜLYA	T AUT WATERIAL
kanderd Ferm 88 (Rev. June 1956)	REPO	ORT C) .	
I, LAST HAME-FIRST HAME-HIDDLE	MAME		2. BRADE AND COM		3. IDENTIFICATION NO.
4. HOME ADDITESS (Number, street or	R.F.D. only or town, some a	nd State)	S. PURPOSE OF SE	AM IMATION	6. BATE OF ERABIRATION
·_					26 347 58
7. DET 8. BACE		BOVERNEHT BERVICE	10. ABENCY	11. GREANIZATION	URIT
_ <u></u>	BILITARY	CIVILIAN			
IZ. DATE OF BIRTH	OF BIRTH		14. HAME, BELATH	DRSHIP, AND ADDRESS OF	HERT OF EIN
S. ERAWINING PACILITY OR EXAMINES.	AND ADDRESS		16. OTHER INFORM	MOITA	
17. SATING OR SPECIALTY			TIME IN THIS CAPAC	my (Tetal)	LAST SIZ MONTHS
HOR. (Check each feath in applet Ment, ofter "NE" if no 18. HEAD, PACE, RECE, AND BC 19. HORE 20. BINUSES 21. BOUTH AND THROAT 22. EARY—SEREAL ("Med out." 23. DRUES (Perferation) 24. EYES—SEREAL ("Committee") 25. OPHTHALWOSCOPIC 26. PUPILS (Equality and read 27. OCCURR MOTILITY (American 29. LUNGS AND CHEST (Translad 29. LUNGS AND CHEST (Translad 21. ADDOMEN AND YIESTER ("STORMAN 30. VARCULAR SYSTEM ("FORTOM 31. ADDOMEN AND SECTIM ("Merican 32. ANUS AND SECTIM ("Merican 33. ENDOCRINE SYSTEM 34. G.U SYSTEM 35. UPPER SETREMITIES ("Merican 36. PEET 37. LOWER SETREMITIES ("Merican 38. SPIRE, OTHER WUSCULOSEG 39. IDENTIFYING SODY WARES. E 40. SEIN L'MPHATICS 41. BEUROLOGIC (Emiliations and 42. PSYCHIATRIC LEBORATY and "SEE")	ALP monates of medium; monates	Items 31	thru 42 not	exemined	
43. PELVIC (Pomales only) (CA	eck how done)		(Con:	tinus in item 73)	

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R	1	Nonrestorable teeth					XXX—Replaced by dentures						13	14	15	16	L	
F	22	an .	30	29	29	27	26	25	24	23	22	21	20	19	18	17	7	
											LABORA	TORY FI	NDINGS					

LABORATORY FINDINGS

45. URINALTSIS A. BPECIFIC BRAVITY

A. SUBJURE

C. SUGAR

49. BLOOD TYPE AND RH

FACTOR

50. OTHER TESTS



BEST AVAILABLE COPY

PRIVACY ACT MATERIAL REMOVED

							MEASURI	MENT	AND D	THER	FINDING								
\$1. HEIGHT \$2. WEIGHT \$3. C					-	i R	84. COL	OR EVE	•	8. aut							86. TI	W PERA	rues
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82. HETER	корновіл (Др	ectly distance	1)																
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SS. ACCOMMODATION					84. COLOR VISION (Test used and result) 85. DEFTH P. (Test use								PTH PE	-	ARECTED				
RIGHT LEFT 66. FIELD OF VISION																CORREC			
					87. BIGHT VISION (Test used and soors) 88. RED LERS											RACCULAI		0*	
70. HEARING					71.			٨	UDIOMET	EP				72. PST	-	CAL AND PE	YCHO# 01	0 P	
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75. RECO	MMENDATIONS	—FURTHER B	PECIALIST	EXAMI	MATIONS	SM DICA:	IEO (890	ct/y)						76.		A. PHYBICA	L PROFIL	t	
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																			1
77. ELANI	HEE (Check)					_													
A. Is QUALIFIED FOR B. Is NOT QUALIFIED FOR													CATEGO	17					
78. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS				recre	BY STEM				-						\blacksquare	•	c		Ε
78. TYPED	OR PRINTED	MAME OF PH	YBICIAN							1	BIGHATUS	E						1	
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81. TYPED	PHYSICI	IAN (I'nd	icale W	hich)				BIBRATUI	10										
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		7
REPORT OF	MEDICAL TEXANIN	ATIC

LAST HAME-FIRST HAME-MIDDLE						OMPONENT DR POSIT	3. IDENTIFICATION NO.		
HOUR ADDRESS AN NAME, - OFF	APD, city or too	m, some and State	i) .	8.	PURPOSE OF	EXAUJIATION	6. DATE OF EXAMINATION		
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SEE S. BACE		L TEARS GOVERN		'	O. AGE#CY	11. 986ami	ZATION UNIT		
DATE OF BIRTH 13. PLACE	MILITAE		CIAIFIUM	<u> </u> -	4	71000010 155 155			
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ELAMINING FACILITY OR EXAMINES	AND ADDRESS			Ι,	6. Q THER INFO	HENTION			
RATING OR BPECIALTY				718	IE IN THIS CAP	ACITY (Total)	LAST SIX WONTHS		
CLINICAL EVALUA	TION	NOT	ES. (Describe	every ab	normality i	n detail. Enter	pertinent item number before exitenal sheets if necessary.)		
(Check each item in appumn; enter "NE" if no	ropriate col-	======	00 E1 E1 01	I. Contil	une tu tretu	/ J and us sed	stional ansets If necessary.)		
18. HEAD, PACE, MECK. AND BO		WAL							
19. HOSE									
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21. BOUTH AND THROAT 22. EARS-GENERAL Unt. & and	maio I Lé adviery								
	10 and 1/1	 							
23. BRUBS (Perforation)	and refraction	H i							
24. EVES-GENERAL Today Game	10. 80 and 875	 							
25. OPHTHALMOSCOPIC									
28. PUPILE (Equality and read									
24. EYES—SEREAL PURSAL CANADA									
28. LUNGS AND CHEST (Includ									
29. HEART (Thrust, size, rhigh									
30. VASCULAR SYSTEM (Various		igsquare							
31. ABDOMEN AND VISCERA (I		7.	ems Il t	home Id					
32. ANUS AND RECTUR (France)			ب عر سے۔		mor ex				
33. ENDOCRINE SYSTEM		1							
34. 6-U SYSTEM									
35. UPPER ERTREMITIES Malum	M. renge of								
36. 7227		1 1				•			
37. LOWER EXTREMITIES (Brong	(feet) The resume of marries								
38. SPINE, OTHER MUSCULOSE	LETAL								
39. IDENTIFYING BODY MARES.	SCARS. TATTOOS								
40. BEIR LYMPHATICS									
41. HEUROLOGIC (Enthress	·	 							
42. PSYCHIATRIC Champy may per		 							
43. PELVIC (Pemples mly) (Ci		 							
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75. RECO	M M EMBATION P	FUNTHER BI	PECIALIST E	n Mar	ATIONS H	# DICAT	res (Spe	e(b)						76.	_	A. PHYSICA			
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77. EXAM	inge (Check)													·	L	I		<u> </u>	
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78. TYPED	OR PRINTED	MAME OF PHY	FICIAN		***		-		,	Ť	SIGNATUI	IE		<u></u>					
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Standard Form 88 (Rev. June 1986)

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REPORT	OF A	AFDIC/	VI F	MAN	IATIC

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BEST AVAILABLE COPY

PRIVACY ACT MATERIAL REMOVED

Standard Form 20 (Rev. June 1956)

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REPORT OF MEDICAL	
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	FT MAME—FIRST 1	THE MIDDLE BYRE			•	2. GRADE AND COM		SITION 3. IDENTIFICATION NO.						
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	TING OR SPECIAL					THE IN THIS CAPAC	rry (Tatel)	LAST SIX CONTRS						
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	23. BRUMS (Per					•								
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	25. OPETHALMOI	COPIC												
	26. PUPILS (Bes	ality and reaction)												
	27. OCULAR MOT	ILITY (Acres of profit	al 											
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(Use additional shots if necessary)	
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(Rev. Ju	1986)

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78. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS BY ITEM NUMBER													-		•				
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81. TYPES		MARK OF DES	ITIST OR PHYSIC	HAN Und	icade w	(A.)				SIGNATUR									
82. TYPES	OR PRINTED	HAME OF REV	TEWING OFFICE	IR OR APPROVING AUTHORITY						SIGNATURE						NUMBER OF AT- TACHED SHEETS			

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i. LA	FT BABI	NAME—FIRST NAME—WIDDLE NAME ADDRESS INvanior, street or R.F.D. sale or brown, none and							E. SRADE AND COMPON	IERT OR POSITION	3, INCRTIFICATION NO.
L MG	## APP#ER	1//	ie, erel e k		-		d distale)		S. PURPOSE OF EXAMI	MATER .	6. DATE OF EXAMINATION
				5.7							
											26 Jul 58
		6. 840	:1 .	$\overline{1}$. YOTA	TEARS 1			10. ABENCY	11. ORGANIZATION	
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(I	AMINING FA	CILITY O	R EXABINER, A	AD 4801	EDS				16. OTHER INFORMATION	ON	
	T100 00 0P	BCIALTY							THE IN THIS CAPACITY	(Total)	LAST SIE MONTHS
_			AL EVALUATION				NOTES. (Descr	ibe every	bnormality in det	ail. Enter pertin	ent item number before ea sheets if necessary.)
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_	IB. BOST										
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	28. OPHTH				\neg						
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62. HETEN	ophoria (Sp	anily distance	•	_											_	
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83.	ACCO	MODATION		84. co	LOR YIS	ion (Te		ad Park	3 ()		85. pg	PTH PE	CEPTION		UNCORREC	TED
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66. PIELD	OF VISION			67. WI	67. HIGHT VIBION (Fast wood and soors) 68, RED LENS TEST 69							88. INTRA	OCULAR TENSION			
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70.	ME	ARING		71.				DION ET	TER				72. (1	ACHOFOR	GAL AND PEY	CHOMOTOR
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(Use additional she	de (/ Recentry)						
74. BURNARY OF DEFECTS AND DIAGNOSES (List diagnoses with tion numbers)							
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75. RECOMMENDATIONS—FURTHER SPECIALIST EXAMINATIONS INDICATED (Specify)		76.	^	. PHYSIC	AL PROFIL	•	
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77. EXAMINEE (Chark)		_	L	Ĺ	L		
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78. IF NOT QUALIFIED. LIST DISQUALIFYING DEFECTS BY ITEM NUMBER	····		1	•	c	1	•
78. TYPED OR PRINTED NAME OF PHYSICIAN	SIGNATURE						
CARL I, HANSEN, Lt Col, USAF, MC, -PS]						
80. TYPED OR PRINTED NAME OF PHYSICIAN	DIGNATURE						
81. TYPED OR PRINTED NAME OF DENTIST OR PHYSICIAN (Indicate which)	SIGNATURE						
THE TIPE OF PERILED RABE OF BERLIEF ON PRESIDENT CHARGES CHARAST	510-12.082						
82. TYPED OR PRINTED NAME OF REVIEWING OFFICER OR APPROVING AUTHORITY	SIGNATURE					ED BHEET	

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(Rev. Jul		

REPORT OF MEDICAL EXAMINATIO.

1. 14	ST RAME	RST RA	w (— w 10)						. 1	2. 48496 ARD COMP		SITION 3	. IDENTIFICATION NO.
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7. 01		E. RA	CE .		8. 1014	L YEARS	***	* SERVICE		10. AGENCY	11. 000	TIRE ROITASIRA	
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16. 61		CILITY 6	-	HER, AND AS					1	S. OTHER INFORMA	TION		
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	38. SPINE.	-	MUSCUL	PRELETAL									
	39. IDENTI	*****		ES, SCARS, TA	17700\$								
*	40. SEIN L	TH PHAT	108										
	41. MEURO	L061C (Erikb-ta		20								•
	42. PSYCH	ATRIC U		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-								
	43. PELVIC	(Pome	(برئحه معلی	(Check how	done)								
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47 45	ROLDET (Sp	am 6: 4-			-		140	.000 TYPE A		SO. OTHER TESTS			
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61. HEFE		esily distance) Ex ^o		B. H.		L		•	PRISE I	ĐIV.		PRISE C				*		P 0	
63.	ACCOM	MODATION		-1	64. co	OR VI	ION (Te	-	-	-4)		1 05. 7	PTH PE	ACETION.		UNCOR	ECTED		
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66. PIELD	OF VISION				67. RH	MT VIS	ION (Te	a good e	بيو لدو	re)		68. RI	D LEMS	TEST		88. IN	TRACCUL	AR TERS	100
70.	3H	ARING			71.			A	neloni	ETER				72. pgv (fe	CHOLOG	ICAL AND F	-	704	
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74. gunu	ARY OF DEFE	TS AND BIASE	oses (L	id dia	graces v	nik úte			nai ak	ado (f Re	owery)								
75. BECOI	MM S D DATIONS	-FURTHER SP	ECIALIST	EXAMI	MATIONS	IMDICA'	ren (8pa	ecify)						76.		A. PHYBICA	LL PROF	LT	
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77. EXAM	HEE (Check)																		
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78. IF NO	T QUALIFIED.	LIST DISQUAL	FYING OF	FECTS		WV#06	R							1		•	c		ľ
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81. TYPED	OR PRINTED	NAME OF DEN	TIST OR I	PHYBICI	IAN Und	utate w	hich)				BIBNATU	ne .							
82. TYPED	OR PRINTED	NAME OF REV	IEWING O	FFICER	DR APP	ROVING	AUTHOR	TTY .			BIGRATU	RE						BER OF	

REPORT OF	PHIVALY	AUT MATERIAL RE
	2. GRADE AND COMPONENT ON POSITION	3. IDENTIFICATION NO.
or brun, some and Blate)	B. PURPOSE OF EXAMINATION	6. DATE OF EXAMINATION . A

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<u> </u>	28. PUPILS																			
<u> </u>	27. OCULAI	MOTIL	m 45	-	جمع المثل الا	-]														
Ī	28. LUNGS	ARD CH	er (la	بيرط ملطم	ada)															
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	34. 6-0 57						\dashv													
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48	INALYSIS: A									CARORAT	URT F	AUIR			2.04*	(Pic	a date	, film number as	ed result)	·
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C. 100					-															
47. 81	ROLDET (Spe	ec√y les	1 wed 67	nd result)	\dashv	48. EE		41		D TYPE #	AND AN SO. OTHER TESTS									
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							EMENTS	AND O	THER I	MONG	1				
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17.	BLO	OB PRESSURE	(Arm at has	ri land)			88.				PU	uý W	rm et henri is	()	<u> </u>
A. SITTING	175.778	BECUM- BENT	GYS.	C. STANDII (8 mm			A. 917	TING		. APTER	EXERCIPE	C. 8 (HIM. AFTER	S. RECHUBER	S MIN.
9 .	DISTAL	N7 VISION		60.			8678/	CTION				61.		-	X
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EFT 20/		CORR. TO E	0/	BY		5.			ΦX				CORA.	10	BY
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3.	ACCOM										7				
		MODATION		- 64. 50	LDR VIE	ion (Tee	. mad a	d resul	0		65. g	77 H PE	(EFT10H	uncos:	
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HENT IG. PIELD (1		108 (Tes						OF LENS		CORNEC	
6. PIELD (OF VISION			1			i waa aa)				TEST	CORNEC	TED RADCULAR TENDION
6. PIELD (DF VISION MEA	ил	/15	67. mi			i waa aa	nd secre)	4000			TEST	69. INT	TED RADCULAR TENDION
	DF VISION HEA	LEFT	/15	67. mi	190	ION (Ten	Au	DIONET	3000		68. 21	2000	TEST	69. INT	TED RADCULAR TENDION

In - 39PD Raditation: .h-.5 mr/hr, not above background

(Use additional sheets if necessary)		
74. SUMMARY OF DEFECTS AND DIAGNOSES (List diagnoses with tien numbers)	 	

75. BECOMMENDATIONS—FURTHER SPECIALIST EXAMINATIONS INDICATED (Specify)		76.		. PHYSIC	AL PROFILI	ı	
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77. ERAMINEE (Chack)				L	1		
A. IS GUALIFIED FOR B. IS NOT QUALIFIED FOR			٠	PHYSICA	L CATEGOR	ny	
78. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS ST ITEM MUMBER				•	C		ſ
79. TYPED OR PRINTED NAME OF PHYSICIAN CARL L. HANSEN, St Col, USAF, MC, -FS	· SIGNATURE	<u> </u>			!		
80. TYPED OR PRINTED NAME OF PHYSICIAN	BIOMATURE						
81. TYPED OR PRINTED HAME OF DENTIST OR PHYSICIAN (Indicate which)	BIGNATURE						
82. TYPED OR PRINTED NAME OF REVIEWING OFFICER OR APPROVING AUTHORITY	SIGNATURE					ER OF A	

A STATE OF THE STA

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										ļ				26 Jul 58
	•	B. RAC	c	8. 70	TAL VEARS		ENT DE	VICE.		10. ABEN	.7	11. 00	GARIZATION UNIT	
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. 94	TE 07 BIRTH		18. PLACE OF BI	RTH						14. BAME	BELATIO	#8 HIP. APD	ADDRESS OF RE	T OF RIN
			1							1				
			L											
. 83	AMINING FAC	:1117 0	S EXAMINER, AND	ADDRESS						18. STAE	JEFORE	ATION		
_	TING OR SPE									TIME IM 700		···· (Patal)		
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			tem in appropr NE" if not eve	iate col-	ABHDR-	W011	-	an an en i	. Co	tinue in	itém 73	and use	eddilional sh	item number before eachete if necessary.)
٠.			<i>NE" If not the</i> ECR, AND SCALP	Justed)	MAL									
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_	21. MOUTH		ROAT		1									
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	23. BRUHS	(Peje	elim)											
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	36. FEET				1									
	37. LOWER	EXTREM	TIES (Brongt), res		<u>.</u>									
	36. SPINE.		MUSCULOSELETAL											
	39. IDENTIF	7186 BC	DY MARES, BCARS.	TATTOOS										
	40. BEIN L	-	C B		1	}						•		
_	41. MEUROL	.0610 (2												
	43. PELVIC	(Pompi	as only) (Chaok ha			l								
	(B)		VABINAL		<u> </u>	(41	114			(Cont	inue in Ite		ADDITIONAL BENTAL
	1741 (Piace Restorable te		riale symbole abou		i mumber o/ I — Missen					y.) <u>X 8</u>)—Fus	l bridge, i	rechate to	BEFECTS AND	
/ /	/enrestorabio	المبطة			-Replac		~		_		مخت ماسان			
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ALB BUS				_						_				
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8U6	1.8	ci/y las	(wed and rank)	_	£te	49.	BLOOD FACTOR	TYPE AR	D 8H	\$0. OTHE	# TESTS			

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87.	810	-	(Arm of	Accre to	*** ()			58.						rm et 44			
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88.	BISTA	17 VISION			60.			REFR	ACTION				81.			HEAR VISIO	
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LEFT 20/		CORR. 10 2	0/		BY		8.								CORR. TO		0 Y .
62. HETERO	РИОВІА (<i>Вр</i> е	(معمومت والح															
Es*		EX*		2. K.		L	н.		RISH (DIV.		PRISM (CONY.			PC	PD
43.	ACCOM	MODATION			64. COL	08 V18	ION (Test	-	-	-K)		88. 8	P7 H PE	PC 27101	H Mary)	URCORE	ECTED
BIBHT		LLFT														CORREC	res
66. FIELD (DF VISION				67. HIG	NT VIS	104 (Test	-		re)		68. RI	(D LENS	TEST		69. INT	RACCULAR TERSION
70.	MEA	AIRG			71.			AL	DION !	TER				72. 7	TCHOLO	SIDAL AND PO	VCHOMOTOR .
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			/1		RIGHT]			
LEFT WY	/1	5 SY		• [LEFT						1						
73. NOTES	(Cantinual)	AND BIGHIPIC	ANT OR I	MTERVA	L MISTO	t Y											
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In 39-PD radiation: .4- .5 mm/hm, not above background

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74. SUMMARY OF BEFECTS AND DIASNOSES (Lief diagnoses with tien numbers)

75. RECOMMENDATIONS—FURTHER SPECIALIST EXAMINATIONS INDICATED (Specify)		76.		. PHYBIC	AL PROFIL	.e	
		•	U	L	н_		
77. EXAMINES (Check)	····		l	<u> </u>	<u> </u>	<u> </u>	١.
A. IS QUALIFIED FOR B. IS NOT QUALIFIED FOR			8.	PHYBICA	L CATEGO	RY	
78. IF NOT QUALIFIED. LIST DISQUALIFYING DEFECTS SY ITEM BUNSER				•	c		£
79. TYPED OR PRINTED NAME OF PHYSICIAN CARL L. HANSEN, Lt Col, USAF, MC, -FS	SIGNATURE			·	I		
80. TYPED OR PRINTED NAME OF PHYSICIAN	SHOMATURE						
81. TYPED OR PRINTED NAME OF DENTIST OR PHYSICIAN (Endocate which)	SIGNATURE						
82. TYPED OR PRINTED NAME OF REVIEWING OFFICER OR APPROVING AUTHORITY	SIGNATURE					DER OF A	

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A. SYS. 130 B. SYS. C. SYS. A. STTING BEFACISE C. A. STTING BAPTER EXERCISE Irm at heart head)	90000	. TEBPEDATUDE	
E7. SLOOP PRESSURE (Arm of heart lend) SS. PULE (A. STELL S. STELL	Irm at heart head)	<u>-</u>	
A. SYS. 130 B. SYS. C. SYS. A. STTING BEFACISE C. A. STTING BAPTER EXERCISE	RECUESTET E.		
STITING DIAS. BE DEST DIAS. STANDING (F COM.) DIAS. SS. DISTANT VISION GO. DEPARTION GI.	1		AFTER STANDING
			3 MIN.
and the second s		ROIGIY SAPE	
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LEFT 20/ CORR. TO 20/ 8T S. G1	CORR. TO		8 Y
BE. HITEROPHORIA (Specify distance) gg · gg · g. u. L. L. Passa DIV. Passa Conv.		PC	m
63. ACCOMMODATION 64. COLOR VISION (Fort used mad result) 65. pg/FI P (Fort used	ERCEPTION	UNCORRECTED	
RIGHT LEFT	,	CORRECTED	
86. FIELD OF VISION 67. MIGHT VISION (Test used and sears) 68. RED LEM	TEST	89. INTRACE	LAR TENSIOR
·		1	
70. MEARING 71. AUDIOMETER	72. PSYCHOLOGIC (Total most	GAL AND PEYCHO	B OTOR
200 200 1000 2000 4000 4000 4000	7 "		
RIGHT WV /15 EV /12 290 500 1000 2000 2000 4000 8000 8000 8000 8000 8	4	•	
LEFT WY /18 8V /18	-		
72. BOTES (Combinued) AND SIGNIFICANT OR INTERVAL MISTORY			
(Use additional shade if necessary) 74. SUMMARY OF DEFECTS AND DIAGNOSES (Lief chapmoses with Hem assumbers)			-
75. RECOMMENDATIONS—FUSTNER SPECIALIST EXAMINATIONS INDICATED (Specify)	76.	A. PHYSICAL PRO	FILE
	PU	L H	E 5
77. Examines (Check)	-		
A. DI SE OVALIFIED FOR B. DI IS NOT QUALIFIED FOR	•	. PHYSICAL CATE	CORY
76. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS BY ITEM NUMBER	1	•	c E
79. TYPED OR PRINTED HANE OF PHYSICIAN			
,			
79. TYPED OR PRINTED NAME OF PHYSICIAN CARL B. HANSEN, Lt Col, USAF, MC,F-S 80. TYPED OR PRINTED NAME OF PHYSICIAN SIGNATURE			

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A. RESIDEAL (Vendor, there or 2.7 D. object or 1.2 D. object of Examination. 7. ALL S. ALL S. ALL S. ALL S. ALL S. ALL S. ALL STATES. 11. ALL SET OF BINN. 11. PLACE OF BINN. 11. PLACE OF BINN. 11. PLACE OF BINN. 11. PLACE OF BINN. 11. PLACE OF BINN. 11. PLACE OF BINN. 12. ALL SET OF BINN. 13. ALL SELECTION OF BINN. 14. ALL SELECTION OF BINN. 15. ALL SELECTION OF BINN. 16. ALL SELECTION OF BINN. 17. ALTHOUGH OF DECEMBER. AND ADDRESS. 18. ALL SELECTION OF	1. LA	FT HAME—	IRST NA	#1-#IDDLE #4								2.	BRADE A	HD COMPO	187 00 P	981718N	3. IDENTIFICATION NO.
1. DATE OF DIST. 1. PLACE OF DIST. 1. DATE OF	4. #0	HE ADDRES	s (Num	der, street er B	7 D. e	-	~		44)			8.	PURPOS C	-	MATION		6. SATE OF EXAMINATION
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STATE OF DIFFE			Ta												7.4		26 3-2 58
12. BATT OF DATE 13. PLACE OF DATES 14. STATE INFORMATION 14. STATE INFORMATION 15. STATE INFORMATION 15. STATE INFORMATION 16. STATE INFO	7. 82	i X		it	• •			80711				 '"	. aster	,	11. 000	LANIZATION UN	· -
18. SEASING PACIFIES ON PACIFICATION 17. SATISES ON PACIFICATION 18. CELEMICAL PEALUTION 19.			<u></u>	110					CIAIL	IAN		- -			<u> </u>		
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### 12. HEAST (Threat, sine, rhythm, swands) ### 30. VASCULAS SYTEM (Farinschian, stc.) ### 31. ABDUMEN AND VISCORA (Included Armids) ### 32. ANUS AND SECTUM (Farinschian, dec.) ### 32. ANUS AND SECTUM (Farinschian, dec.) ### 33. SENDOCAME SYTEM ### 34. OU SYSTEM ### 35. UPPER SETEMITIES (Marinschian, Visionamer) ### 35. UPPER SETEMITIES (Marinschian, Visionamer) ### 35. SPIRE. OTHER MUSICULOSECUTAL ### 35. IDENTIFYING DODY WARES, DCASE, TATTOOS ### 40. BESIE LYMPATICS ### 41. REMORDICE (Armidation none made date FD) ### 42. PSYCHIATRIC (Armidation none made date FD) ### 42. PSYCHIATRIC (Place appropriate symbols above or below number of upper and linear task, respectively.) ### CO-# Estimated listed ### 32. FELVIC (Place appropriate symbols above or below number of upper and linear task, respectively.) ### 32. FELVIC (Place appropriate symbols above or below number of upper and linear task, respectively.) ### 32. FELVIC (Place appropriate symbols above or below number of upper and linear task, respectively.) ### 32. FELVIC (Place appropriate symbols above or below number of upper and linear task, respectively.) ### 32. ALUMPIN							-	ł									
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It will be noted that the results of urine examinations (Tab B, Appendix T) are not entered. They will be forwarded upon completion of analyses and receipt by Joint Task Force SEVEN.

RALFIV M. LECHAUSSE Colonel, USAF, (MC) Staff Surgeon

TABULATION OF URIER PINDINGS

26 July 1958

24 Hour Urine Semple Moraing Urian for Organica

TAKUTC MARU

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- 10.
- n.
- 12.

SATUMA MARU

- 17.
- 23.
- 24.

NOTE: Sumbers refer to Blood Examination List

							MEASURE	MENT				<u> </u>								
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75. ascor	MENDATIONS	-FURTHER SI	ECIALIST	EXAM	IMATIONS	IMDICAT	ED (Spe	cu/y)						76.		A. PHY	SICAL	. PROFI	LE	
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Standard Form (Rev. June 1956)

PEPORT OF MEDICAN EXAMINATION	_

						W 21 C				AOMINAII				
l. U	ABT HAME—F	HRET HA	# (# IDDLE	MANE					<u>-</u>	2. SHADE AND CO	**************************************	DE POSITION	3. IDENTIFICATION	▶0.
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7. 61		8. aA					****		ce	10. ASERCY	1	I. GREANIZATION	UNIT 26 Jul 5	-
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12. 04	ATE OF BIRTS	•	13. PLACE	-	•					14. HAME, BELAT	IIOMEMIP,	AND ADDRESS (
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	LAMINING FA		1							16. OTHER INFOR				
10. 11	LABINING FA		a frabiati							14. 01411 14704	BATION			
17. 8/	TING 48 80	SCIALTY								TIME IN THIS CAPA	ACITY (To	edal)	LAST BIX MONTHS	
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	INALYSIS	A SPEC	FIC GRAVIT							46. CHEST 1-RAY	· (Place,	date, film numb	er and result,	
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£. 806	ROLOGY (Sp	ers/v ter	t used and	emil \	40. E		148	B1005 T	PL AMO R×	SO. OTHER TEST				·
-7. 80		1/y MI			** !	•	49.	FACTOR	FL AMD ##	SU. OTHER TEST	•			
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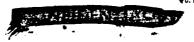
DIAS. DENT DIAE. BS. DINTANT VISION BIGHT 20/ CORR. TO 20/ LETT 20/ CORR. TO 20/ GE. HETEROPHORIA (Specify distance) ESO EX*	B3. COLOR H Assert level) C. STANDI (# ms. 60. 07	DYS		BB. A. SITTI	10%	SLENDER	PUL	85 (A)	m at have in	D. RECUMBENT	B6. TEMPERATURE E. AFTER STANDING D. MIN.
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62. HETEROPHORIA (Specify distance) Ex*	BY					x			CORR.	To	87
Et. Ex.			ъ.			x			CORR.	70	• 7
63. ACCOMMODATION	8. H.	OLOR VISI		PRI	roruli)		PRISH CO	7 H PER	CEPTION and secre)	UNCORRE	P0
RIGHT LEFT							.[CORRECTS	0
66, FIELD OF VISION	67. 9	ISHT VIBI	ON (Test	wed end	acore)		60. EE	LENS	TEST	69. (WYR)	LOCULAR TERSION
70. HEARING	71.			AUD	DMETER				72. PSYCHO	LOSICAL AND PSY	CHOMOTOR
RIGHT WV /18 EV	/18	210	\$18	1000	100 1048 189	0 4000 6 4096		\$19 \$		· · · · · · · · · · · · · · · · ·	
LEPT WY /18 8V /	RIGHT				_						

Using beta-ramma survey meter MX-5, background reading .03 -.06 mr/hr. He radioactive contamine tion found.

(Uee	additional	متجماه	Ú	Recessory)	

74. SUMMARY OF DEFECTS AND BIAGNOSES (Last diagnoses with tion numbers)

5. RECOMMENDATIONS—FURTHER SPECIALIST EXAMINATIONS INDICATED (Specify) 7. EXAMINEE (Check)		76.	-	. PHYSIC	AL PROFIL		
		•	U	ı	н		\$
77. EXAMINES (Check)			<u></u>	<u> </u>		<u> </u>	
A Is qualified for B Is not qualified for			8.	PHYBICA	L CATEGO	RY	
74. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS BY ITEM NUMBER				•	C C		·
79. TYPED OR PRINTED RAME OF PHYSICIAN	DIGNATURE						
SO, TYPED OR PAINTED HAME OF PHYSICIAN	SIGNATURE						
81, TYPED OR PRINTED NAME OF BENTIET OR PHYSICIAN (Indicate which)	BISMATURE	· · · · · · · ·					
\$2. TYPED OR PRINTED HAME OF REVIEWING OFFICER OR APPROVIRS AUTHORITY	BIGHATURE					BER OF	



(Rev. June 1986)	-		ΚE	PORT	Of Medi	CVE E	nativiliatas		PKIV.	ACY ACT MATERI
I. LAST HAND-FI							E. SHADE AND C		DR POSITION	3. IDERTIFICATION NO.
4. HOME ADDRESS		or B P D. only	er bron., ser	w and 8			S. PURPOSE OF	BEAUGHATIC	0 N	4. DATE OF ELABINATION
					٠.	ì				26 7.3 50
7. 06x	S. BACE		TOTAL ZEA	48 80YI	RHWENT SERVICE		10. ABINCY	[1]	. ORGANIZATION	1 26 Jul 58
		—	LITARY		CIVILIAN			- 1		
2. DATE OF BIRTH	13. PLA	CE 07 BIRTH					14. HAME, BEL	A710#8#1P.		MEXT OF EIR
						_				
IS. EXAMINING PAC	ILITY OR EXAMIN	ER, AND ADDR	110				16. OTHER INFO	ORMATION.		
17. BATING OR SPE	CIALTY						INT IN THIS CA	PACITY (Te	tal)	LAST SIX MONTHS
	CLINICAL EVAL	INTION		l N	OTES (Descri	be every e	bnormality	n detail.	Enter partin	ent item number before a sheets if necessary.)
	each item in a		OF A840	191	60 81 81 6	nt. Cont	INDE IN ITEM	73 and 0	use additional	sheets # necessary.)
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- 19. HOSE	VACE, HECK, AND	BUALF		\dashv						
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		der terms to and	111	-1						
	(Perforation)									
X 24. (1/1)-	SENERAL CHAPTER	ar 10. 10 mag 17)	_							
25. OPHTHA	(Equality and re			-						
	MOTILITY MAN			-						
¥ 27. 00 U.S.	AND CHEST (Inc.									
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34. e-u ev				-						
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36. PERT	27412 17723 040		-+	⊣						
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	THE BOST MARE	S. SCARS. VATTO	109	-						
40. SEIN L'				_						
	LOGIC (Bracks-to-s									
	(Pomains only) (-						
43. PELVIE				- [•				- /** - **	
14. BENTAL (Place		AGINAL - RI		1	and large large	manners a-1.		ontinue i	n item 73)	AND ADDITIONAL PENTAL
O-Restorable to /-Nonrestorable	met.A		X—Mu X—Mu XX—Rep	e.no local	.		n-Pard Ind	ige, brackete abutmente		AND DISEASES
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\$1, NEIGHT \$2, WEIGHT \$3.				3. COLOR #4	LI B	84. COL	OR EYES	\ \f	18. OVIL		- D ==	PINA	- HEAVY		00400	86. 1	86. TEMPERATUR				
87.	810	OD PRESSURE	(470 et 40	ort level)	· Impl)								700 et here								
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9.		T VISION		80.			***	CTION				61.						_			
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E\$*	Риовіл (брі	н.	L	M.	•	A:Sm Di	ı v .		PRISM (PC	Po							
13.	ACCOM	M OBATION		84. co	LOR VIE	ION (Tes	1 1000 00	d resul	ir)		68. pg		CEPTION		UNCORR	ECTED					
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6. FIELD O	F VISION			67. 81	OHT VIS	ion (Tee	t wood an	ud accord	1)		69. At	-	TEST		69. INT	RAOCULA	TEMBIC) 			
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70.	HEA	RIME		71.			AU	DIOMET	T				72. PSV	-	AL AND PS	4CH0#0.	OR				
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				RIGHT																	
LEFT WY		8 9 V	/18	LEFT					T												
'4. SUBBAI	RY OF SEFEC	TE AND DIAG	NOSES (List	diagnoses 1	erilà iden		addition re)	مماد لم	ts if no	esecty)		-									
'S. RECOM	SENDATIONS-	-FURTHER SP	ECIALIST EX	AM IMATIONS	INDICA	TED (8pe	ici/y)						76.		A. PHYSICA	L PROFIL					
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77. ERAMINI	EE (Chack)												}								
	ALIFIED FOR													•	- PHYBICAL	CATEGO	PY				
78. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS BY ITEM NUMBER													-	\blacksquare	•	c		_			
9. TYPED 0	A PRINTED		BICIAN					·	—т	BIGNATUS	ıt.		<u> </u>				l_	_			
				USAF.	ro-r	S			- }												
O. TYPED O	R PRINTED	SEI, L	BICIAN							SIGNATUI	RE							_			
BI. TYPED O	R PRINTED	NAME OF BER	TIST OR PHY	BICIAN GR	hante w	hich)		-		BISHATU	ne.										
82. TYPED C	R PRINTED	NAME OF REV	IEWING OFFI	CER OR APP	ROVINE	AUTHORI	TY			SIGNATU	A E					Num	ER OF A	AT-			

REPORT	OF	er.var.cili	valio.

1. 1.	ST HAME	IRST NA	# E-#1981	1 WAW 1.						2. SRADE	A#D CO		POSITION	3. IDENTIFICATION NO
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7. 64		6. RAC	C			_		BERVICE		10. AGEN	: Y	11. 00	SAMIZATION UNI	
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17. 84	TING DE EP	BEIALTY									IB CAPAC	:NY (1)		LAST BIR MONTHS
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Ţ	18. HEAD.	FACE, W	ECE. AND	BEALP										
Ī	19. 8038													
Ţ	20. SINUS!		BOAT											
	22. EARS-			- manuale i LA										
ī	23. ORUMS			- 10	//1									
÷	24. EYES-			-7. -4 . 22										
	28. OPHTH				-									
Ţ	28. PUPILE	(Bqual	ty and rea	adien)										•
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	34. FEET													
	37. LOWER				4	\longrightarrow								
	36. SPINE.													
	39. IDENTI			. SCARS. T	ATTOOS									
	40. SKIN L											•		
	41. REURO													
	42. PSYCHI													
	43. PELVIE	(Femal		ASINAL [15		- 15	
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D. ALD					D. MIC	905C0PIC				-				
C. BUG	• •				-									
47. SE	oroe. (Sp	ectly les	wed and	result)	48. EK	6	49. BLG	000 TYPE	AND RH	50. 01HE	A: TESTS		·	
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								MEASURE	EMENT	AND D	THER I	MDME							_			
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87.		BLO	OD PRESSURE		i haari	_	1		88. A. ST						rm of Acer MIN. AFTE			Т				
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50.	_	71	T VISION		(5 min.) DIAS.							61.			HEAR VISIO							
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LEFT 20/ CORR TO 20/						97		1.			01				co	RR. 70						
62. HETE!	ROPHORI	(Sp.	m/y distance	1											-							
gg ^o Bx ^o R. (L	н.	•	PRISM DI	v.		PRIBAL C				~	•	D			
63.		ACCOM	MODATION		\equiv	84. co	-02 419	ION (Tes	- weed a	nd rend	0		65. BE	P7H PE	-	*)	nacosal	CTED	TED			
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66. FIELD	OF VIS	104				67. mid	INT VIS	ION (Test	r wast a	ad some	,		68. RI	ID LENS	78.87		69. INT	1A0CULAI	OCULAR TENSION			
70.			MING		—	71.				UDIONETI	ER.		l		72. Pay	HOLOSI	AL AND PS	4754040704				
70.					—	ļ ₁		1		Γ-	ī	1			(Te		and seems)					
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						RIGHT	RIBHT										••					
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78. HOTE	s (Comb	mused)	AND BISNIFE	EANT OR	INTER	VAL HISTO	RY															
			TS AND DIAG	 ,	ou a					nal shed	to if non	enery)								•		
/4. 1011	1AH1 07	DEFEC	TE AND DIAG	-03L3 (4		-			••)									-				
78. 2ECO	M M EMDY.	710 N S-	-FURTHER SF	ECIALIST	EXAM.	ENGITANI	IMDICA	TED (Spe	ici(y)						76.		A. PHYSICAL					
															<u> </u>	U		-		- <u></u> -		
77. EXAM	INEE (C	Accel)													-	<u> </u>	<u> </u>			ــــــــــــــــــــــــــــــــــــــ		
A. 🗆 15 (QUALIFIE	D FOR														•	. PHYSICAL	CATEGO	iy .			
B. IS NOT QUALIFIED FOR 76. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS BY ITEM NUMBER													•									
										<u> </u>	 -				1				_1_			
			NAME OF PHY					_			- [816#A7UR	E									
BO. TYPES	DR PRI	HA?	HAME OF PHY	t Co	ĻŪ	SAF,1	C_P	S	-		-	SIGNATUR	E .									
81. TYPES	OR PE	MTED	MANE OF DER	TIST DA	PHYSIC	CIAN (I'm	hoode w	hick)		<u></u>		SIGNATURE										
											_											
82. TYPED OR PRINTED HAME OF REVIEWING OFFICER OR APPROVING AUTHORITY										DIGNATURE							NUMBER OF AT- TACHED BHEETS					

Standard Form M	
(Rev. June 1956)	

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FPORT	OF I	MEDIC	AT	EVAL	AIN	JA TIO	

	KEP	OF MEDICAL	CI OF MEDICAL EXAMINATIO.								
1. LAST MANE-FIRST NAME-WIRDLE HAND			B. SRADE AND COMPON		3. IDENTIFICATION NO.						
4. HOME ADDRESS (Number, street or RFD,	-	and State)	S. PURPOSE OF EXAMIN	MOITAL	S. DATE OF EXAMINATION						
,											
					06 22 20						
7. SEX S. BACE	B. TOTAL TEARS		10. AGENCY	1 E. ORGANIZATION	26 Jul 58						
	MILITARY	CIVILIAN	-								
ER. DATE OF BIRTH 19. PLACE OF BIRTH	. /		14. MAME, RELATIONS	IP, AND ADDRESS OF	HEST OF EIN						
\$5. EXAMINING FACILITY OR EXAMINER, AND AS)DAE31		16. OTHER INFORMATIO) M							
17. RATING OR SPECIALTY			TIME IN THIS CAPACITY	(Total)	LAST SIZ MORTHS						
CLINICAL EVALUATION		NOTES. (Describe er	ry abnormality in det	ail. Enter pertin	ent item number before each						
NOR- (Check each item in appropria	TO CO- ABHOR.		Continue in item 73 as	nd use additional	sheets if necessary.)						
T 18. HEAD, FACE, MECK, AND SCALP	ated.) MAL										
I 19. NOSE											
Y 20. SINUSES											
T 21. HOUTH AND THROAT					.•						
Z 22. SANS-GENERAL Char d arr special LA	7,7										
Y 23. DRUKS (Perforation)	71)										
T 24. ETES-STHERAL SKINGS GERRY and refe	reston	•									
T 25. OPHTHALMOSCOPIC	e/1										
¥ 26. PUPILS (Equality and reaction)											
27. OCULAR MOTILITY Commission per miles											
T 28. LUNGS AND CHEST (Include broads											
T 29. HEART (Thrust, oise, rhythm, sound											
T 30. VASCULAR SYSTEM (Versoonker, etc.											
\$1. ARDONEN AND VISCENA (Include he			10 - 1 1								
32. ANUS AND RECTUR (Francis V. Ann		Trees In File.	n 42 not exect	Ded.							
33. ENDOCRING SYSTEM	-	,									
34. 4-U SYSTEM											
35. UPPER EXTREMETIES (Brown), Page 1	,,										
36. 700											
37. LOWER EXTREMITIES (Secret)											
38. SPINE. OTHER MUSCULOSEELETAL											
39. IDENTIFYING BODY WARES, SCARS, TA	TTOOS										
40. BEIN LYMPHATICS											
41. REUROLOGIC CErutiOrous suits under 6	70		•								
42. PSYCHIATRIC Identify any personality of											
43. PELVIC (Females only) (Check how											
VASIRAL [(Continu	ie in item 73)							
44. DENTAL (Place appropriate symbols above a		upper and lower tests, respect			INC ADDITIONAL BENTAL						
0—Restorable testh /Nonrestorable testh	X-Musin XXX-Replac		(6 X S)—Pixed bridge, brea snolude abutme	k die to	ND DISEASES						
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G 3 4 5 6	7 1	9 10 11 12	13 14 16 14	- 1							
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		LABORATORY FI	MD:MC C	1							
45. URINALYSIS: A. SPECIFIC GRAVITY		CASURATORY 71	46. CHEST 2-8AT (PM	ice, date, film number	and result,						
S. ALBURIN	D. MICROSCOPI										
C. BUSAN	-	-									
47. SEROLDSY (Specify test used and result)	40. EE4	49. SLOOD TYPE AND BE	50. OTHER TESTS								
		FACTOR									
	L		1								
	•	O									

. HEIBHT	SZ. WEIGHT	52.	COLOR MA	12	84. COL	.08 ETES	18	S. BUIL	D1						SS. TEMPERATURE	
		1							\$LEWDER	□ **		-EAVY	٠.	****		
-	STOOD SUESSINE	(4 m at her	(lond)			100.				. PU	LEE (4)	m al heart	impl)			
A. 971 7196 DIA	110	SYS.	C. STANDIN (3 man	SYS		A. 817	TIME		APTER I	EXERC:SE	C. 8 4	IIN. AFTER	0. 8	ECUM SCH Y	E. AFTER STANDIN B MIN.	
	DISTANT VISION	1 21-21	80.	7		REFR	CTION				61. REAR VISION					
47 20/	CORR. TO 2	10/	87		6.			01				EOR	1. 70		••	
T 20/	CORP. TO 1	10/	BY		8.			01			1	COR	t. TO		87	
	ACCOMMODATION		64. co	LOR VIS	ON (Tes	used and result) 65. per (Te					Test used and more)					
	ACCOMMODATION		64. co	LOR VIS	ON (Test	used and result) 65. DET					FOR word and more) uncons				CTED	
47	LEFT		<u> </u>							<u> </u>				CORRECTE		
	FISION		47. MI	BHT VIBI	OR (Tem	دة لعبد ا	ed sourc)		68. RI	ID LEME	TEST		69. INTRI	OCULAR TERSION	
FIELD OF V			1								_					
FIELD OF Y	MEARING		71.			AV	0108671	I R				72. PSYCH (Testa		L AND PSY	CHOMOTOR	
FIELD OF Y	MEARING /18 SY	/10	71.	110 866	500 512	1000 1084	2000 8048	3000 8896	4000	6000 6144	9000 8195				CHDWOTOR	
		/16	ўі. Вібит	110 866		1000	2000	2000							CHDWSTGR	

In 39-PD radiation: .4-.5 mm/hm, not above background

(Use additional shocks if necessary

74. SUMMARY OF DEFECTS AND DIABNOSES (Lief Sugmoses with idea numbers

78. RECOMMENDATIONS-PURTHER SPECIALIST EXAMINATIONS INDICATED (Specify)	76. A. PHYSICAL PROFILE											
		P	U	L	н	E	8					
							7					
77. EXAMINES (Chark)		_										
A IS QUALIFIED FOR B IS ROT QUALIFIED FOR			8.	PHYBICA	L CATEGO	RY						
78. IF NOT QUALIFIED, LIST DISQUALIPYING DEFECTS BY ITEM NUMBER		_		•	c							
79. TYPED OR PRINTED NAME OF PHYSICIAN	l avenues	_!			<u> </u>							
CART I HANSE! It COLUSAR ME SE	BIGHATURE											
BO. TYPED OR PRINTED NAME OF PHYBICIAN	SIGNATURE											
81. TYPED OR PRINTED NAME OF DENTIST OR PHYSICIAN (Indicate which)	SIGNATURE											
82. TYPED OR PRINTED NAME OF REVIEWING OFFICER OR APPROVING AUTHORITY	SIGNATURE					ER OF						



TA PIL

I. LAST HAME-FIRST HAME-WIDDLE HAME							2. SRASE AND COMPO	3. IBENTIFICATION NO.	
	V=1 muunt.	• 🕶	sul or E P Di	aib, er 100	n, sons and	State)	B. PURPOSE OF EXAMI	MATION .	6. DATE OF EXABINATION
7. 84		8. RA		10. 7074		VERNMENT BERVICE	10. ABERCY	11. OPERMIZATION	<u>"" 26 ₹ul 58</u>
	-		-	MILITAR		CIVILIAN	-	.,,,	
12. N	ATE OF BIRTH	'	13. PLACE OF BIR	TH.			14. BANE. BELATIONS	HIP. AND ADDRESS OF	MEXT OF EIN
18. 60	LAMINING PA	CILITY 6	T ELABINER. AND A				18. OTHER INFORMAT	IOM	
17. R	ATING OR BP	ECIALTY					TIME IN THIS CAPACITY	(Total)	LAFT SIE MONTHS
			AL EVALUATION			NOTES. (Describe ere	ry abnormality in de	tail. Enter pertin	ent item number before each sheets if necessary.)
HOR-	(Check	each i	tem in appropria 'NE'' if not eval	te col-	ABNOR-	epariment. C			Enterta II Necessary.)
			IECK AND SCALP						
- I	18. HOSE								
-x	20. SINUS	13							
1	21. 90078								
-			(for a mi mount) (months ander them ?	77,					
	23. Sayus								
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-	28. OPHTH								
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	+		Cross States Tub						
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	34. 6-U 11		(• •			•		
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			(Encent fact)						
			171ES (Energy fact)	*******					
			MUSCULOBEELETAL						
	40. SEIN L		ODY MARES, SCARS,	ATTOO	——			•	
	+		ICS Spainteres with water		\vdash				
			Spainteres and under Spainteres personality						
	+	***	ies only) (Check hou						
			VASINAL [(Contin	ue in item 73)	
44. 01	ENTAL (Place	6 pp-01			umber a/ up	per and lover tests, respect		REMARES	AND ADDITIONAL DENTAL
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						LABORATORY FI	FOINGS	<u>-</u>	
		A. SPEC	IFIC GRAVITY				46. CHEST H-RAY (P	lace, date, Alm number	and result;
8. 448				D. M15	ROSCOPIC		*		
C. SUC				_					
47. 00	ROLOGY (SP	ecijy lei	r used and result)	48. E1	16	49. BLOOD TYPE AND RH FACTOR	SO. OTHER TESTS		
					Comment of	of the second se			

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B7.	Þi	000 PRE11	unt (Are	at heart	level)			88.						- a hav					
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66. FIELD	OF VISION				67. HIG	HT VIS	DH (T-	*****	nd score)		68. RC	D LENS	TEST		69. INTR	AOCULAI	-	•
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70.		EARING			71.			A	DIOMETI	ER .				72. PSY	CHOLOGIC	AL AND PSY Mid depre)	сномат	0.4	
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78. MOTES	(Cations	N	******		<u> </u>		<u>. </u>		<u>'</u>		<u>. </u>			1					
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75. RECOM	_4=0#110#				, HA (CRS	VICAT		- 4 #/						76.		PHYBICAL			1 -
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77. ELANII	EE (Check)												 					Щ.
A. 🗆 15 01		•	'o#												0.	PHYSICAL	CATEGO	17	
76. IF NOT	QUALIFIED	LIST DISQ	VALIFYING	DEFECTS	87 ITEM	RUMBE	h									•			
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79. TYPED	OR PRINTER	HAME OF	PHYBICIAN							1	SIGNATUR								
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82. TYPED	OR PRINTES	NAME OF	REVIEWIN	OFFICE	R OR APP	ROVING	AUTHORI	17			BIGNATUS	E						ER OF A	
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REPONDE OF A	AL IDA	3.7 .334	NATIC

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4. #		(Num		RPD.	-		red State)			5. PURPOS				6. DATE OF EXAMINATION			
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7. 6	e .	0. 04	c E		9. 701	L TEARS		-		10. ASISC	,	11, 000	ARIZATION WHI				
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12. 0	ATE OF BIRTH	•	18. PLACE	97 SIRT	+					14	RELATIONS	HIP. ARD A		XT 07 EIR			
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15. 6	ZAMINING FA	CILITY 6	P EXAMINER	. AND AS						16. OTHER	INFORMATIO	6 N					
17. A	ATING OR SP	ECIALTY								TIME IN THE	CAPACITY	(Total)		LAST SIX MONTHS			
		CLINIC	AL EVALUA	TION			NOTES	Descri	ibe every	ab normal	ty in det	eil. Ent	er pertinent	item number before each			
BOR-	Check	each s	lem in apj	proprie	100	ABHOR.		60 D IN	ent. Co	ntinus in I	tem 73 as	nd use a	dditional ah	eets if necessary.)			
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FT 20/	CORR. TO SO		BY		\$-			01				CORR.	TO		DT .
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. norse (Continu	ed) AND SIGNIFICA	NT OR INTE	IVAL HISTO	RY											

/Pt	Acets if meconograp)						
74. SUBBARY OF DEFECTS AND DIABNOSES (Last diagnoses unth idem numbers)	V REEDY)					i	
75. RECOMMENDATIONS—FURTHER SPECIALIST EXAMINATIONS INDICATED (Specify)		76.		PHYSIC	AL PROFIL	ť	
		-		<u> </u>	-		
77. EXAMINEE (Check) A. IS QUALIFIED FOR B. IS NOT QUALIFIED FOR	· · · · · · · · · · · · · · · · · · ·		9.	PHYSICA	L CATEGO	tv	<u> </u>
78. IF NOT QUALIFIED, LIST DISQUALIFYING DEFECTS BY ITEM NUMBER				•	<u>_</u>	7-	t
78. TYPED OR PRINTED BANE OF PHYSICIAN	SIGNATURE				ــــــــــــــــــــــــــــــــــــــ		
CARL L. HANSPN. L. COLUSAR, MC. PS.	SIGNATURE						
81. TYPEO OR PRINTED NAME OF DENTIST OR PHYSICIAN (Inchesia which)	BIGNATURE						
82. TYPED OR PRINTED NAME OF REVIEWING OFFICER OR APPROVING AUTHORITY	BIGHATURE					ER OF A	



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REPORT OF MEDICAL EXAMINATIO.	-

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PRIVACY ACT MATERIAL REMOVED

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74. SUMMARY OF DEFECTS AND DIABNOSES (List diagnoses with item numbers)	

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Using beta-gamma survey meter MX-5, background reading .03-.06 mr/hr. No Radioactive contamination found.

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B2. TYPED OR PRINTED NAME OF REVIEWING OFFICER OR APPROVING AUTHORITY

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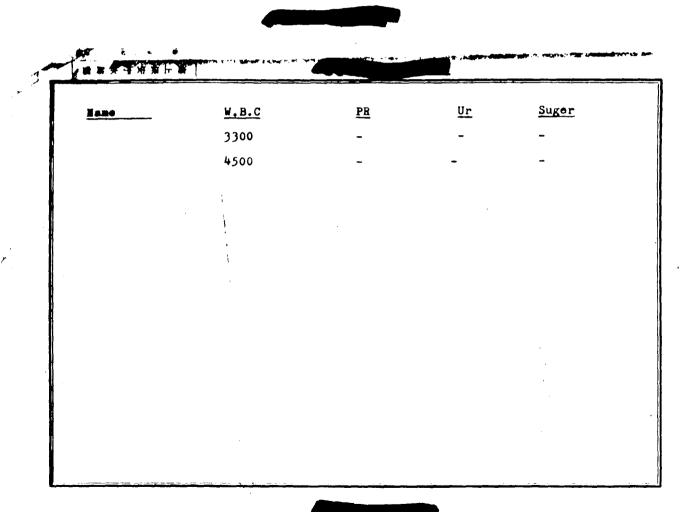
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tandard Form 26 (Rev. June 1956)	REF	PORT OF MEDICAL	EXAMINATIO	h	
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L ELABIBING FACILITY OR EXAMINES	. AND ADDRESS		I. OTHER INFORMA	TION	
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in (Check each item in ap.		oomment.	Continue in item 73	and use additional	int item number before ea sheets if necessary.)
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PRIVACY ACT MATERIAL REMOVED

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South Pacific Post, Part Horocky, Papua-New Oninca Thursday, July 24, 1958

JAP SHIP DOESN'T WANT U.S. HELP

It was not necessary to send a special decontemination ship from America to clear the two Japanese survey ships of radiation, the Post's special representative in Rabaul was told yester.

The rejection of American aid by the Japanese in Rabaul followed Australian reports this week that the Japanese Government had demanded that Americans who, they claim, were responsible for the radiation of Japanese ships, should send a decontamination squad to Rabaul.

The Post's Rabanl representative questioned the Japanese yesterday.

They said that they considered such a move unnecessary.

"I asked the Japanese if they were at all worried about the radiation," the representative said.

They said no.

"I asked them if any of them were feeling any ill-effects from radiation.

Not One Sick

"They said no. They also said that not one man aboard was sick, nor had any received any kind of burns through radiation.

"I asked them how they were emjoying Rabaul. They said it was very peaceful and very beautiful.

"Today, radiation on board is down to negligible proportions.

*The Japanese here have been in touch with their Government representatives who have ordered them to wash the ship down constantly.

"They hose the ships twice a day.





Continuation of item South Pacific Poet, Port Moresby, Papua-Hew Guinea Thursday, July 24, 1958

"It is not yet known when they will sail from Rabaul."

The shipe, Takuja Maru and Satsuma Maru arrived in Rabaul last weekend.

Their captains claimed that they had been contaminated by the fall out from an atomic cloud which has been blown from the American testing grounds at Eniwetok.

Rabaul authorities tested the ships on their arrival and found that the radiation count on one ship was slightly higher than the background count for Rabaul.

Medical authorities did not consider the radiation to be dangerous.



Rabaul Times, Rabaul, July 25, 1958

JAPANESE SHIP MAI HAVE SEARCHED FOR RADIO-ACTIVE FALL OUT AREA

A Japanese survey ship which came into Rabaul on Saturday and reported radio-active contamination may have "searched for an area of radio-activity so that it could sail into the fringe of it" according to unofficial opinions in Rabaul this week.

The ship, Takuje Maru, reported contamination by radio-active fall-out from atom tests at Eniwetok Atoll, 1300 miles north-east of New Britain.

"We were 600 miles from the centre of the tests, taking a course recommended safe by the Americans, when wind blow the cloud onto our ship," the ship's master reported.

He said that for 24 hours the ship's radiation count had been 20 higher than the limits of human safety.

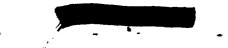
Tests at Rabaul showed the ship was still slightly radio-active, but not at a dangerous level. The count decreased daily.

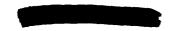
Doctors blood-tested 51 officers and men from the ship and found five suffering from a reduction in the average number of white corpuscles -- a symptom of radiation exposure.

But the Regional Medical Officer for New Guinea Islands, Dr. C. Hassler, said he did not believe the men were seriously or permanently affected.

Statements made by the ship's master and observations carried out by Rabaul efficials have led to the impression that the ship may have "looked for a rediation cloud."

Technicisms were apparently continually checking elaborate radiation instruments carried on board.





Continuation of item
Rabaul Times, Rabaul, July 25, 1958

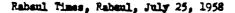
Dr. Hassler believes that any other ship could have received even greater radiation and would not have known anything about it if not carrying the special instruments.

The Japanese claim the contamination was "unexpected and accidental."

Takuje Maru entered Rabaul with another similar ship, Satsuma Maru,
which was not affected.

(See Page Four story "We Walked Behind Barriers").





WE WALKED BEHIED BARRIERS TO A RADIO-ACTIVE VESSEL (Rabaul Times Special Writer)

Accompanying an official party of two senior Administration officers, two doctors and two police officers, I went behind barricades at the Pabaul main wharf on Saturday and boarded a radio-active Japanese ship.

Before I could go with the party I had to give an undertaking to harbour and medical officers that I was going on board at my own risk because when we walked up the gangplank we did not know the level of radiation contamination.

The ship is Takujo Heru. Her Haster, Captain Syukicki Matsubera, was a Japanese Air Force officer stationed at Rabaul during the Pacific War.

Matsubara brought his ship into Rabaul on Saturday claiming that six days earlier winds had blown a radio-active cloud 600 miles from tests at Eniwatok Atoll and contaminated the ship.

Takujo Maru is a beautifully-fitted survey vessel engaged in cartographic research in the general area of the Caroline Islands.

She arrived with another and bigger ship, Satsuma Maru, which is carrying out similar work in the same area but which escaped radiation contamination.

The two ships, long and white, tied up together early in the morning taking up more than the full length of the main wharf.

A small crowd gathered outside barriers which native police constables patrolled near the two main entrances.

Just inside the berriers a group of Japanese technicians and officers from the ships set up electronic equipment and talked with a party of six Rabaul officials.

Leading the party was the senior Administration officer in New Britain, Mr. J. R. Foldi, District Commissioner. With him was the Regional Medical Officer for New Owinea Islands, Dr. Charles Hassler,

LANGUAGE

Language problems were obviously a difficulty, but English was used slowly on both sides. Hands waved and heads nodded.

A Japanese of medium build with a map of black hair going gray modded and smiled. "This is a report we make," he said.

He was Captain Syminchi Matembara, master of Takujo Maru. He was much older than most of the other Japanese, slightly stooped, heavily lined in the face.

Technicisms completed setting up their equipment which was used to give a background radiation count for ${\mathbb R}$ aboul. They planned to repeat the tests on the ship to demonstrate that the count there was higher than ashore.



With their eyes on a stop watch, the men from ship and shore counted under their breaths in English and Japanese. The count came to 24 a minute.

WATCHED

Then the technicians picked up their equipment and we walked to the ship, filing up the springy gangplank udder the eyes of a group of Japanese who leaned over the rail of the main deck.

Mr. Feldi and Dr. Hassler were first on board. They were followed by snother medical officer, the Rabenl Harbournaster, Captain G. W. P. O'Donoghue; and two police officers, Sub-inspectors E. B. Young and J. Herbert.

On the decks Japanese seamen scrubbed and hosed as they continued decontemination measures which they said had been carried out for the past six days.

With the aid of an interpreter and with assistance from his officers, Captain Matsubara told his story in the spotless chartroom of the ship.

MAP

Sometimes he pointed to a map on the wall which showed the course of the ship and the estimated path of the radio-active cloud.

He said that American authorities had been aware of the presence of the two Japanese ships in the Carolines area, and had given instructions of a safe course during recent atomic tests at Eniwetok.

"They said to us go here, and go here," he said, and he waved his hand at the map.

Captain Matsubara continued: "The course was about 500 or 600 miles west of the test area.

"We were north of you people. It was on Monday when a strong wind came up.

"The wind was not expected. It blow the radio-activity on top of us and she ship was affected."

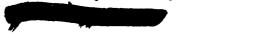
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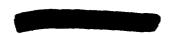
Captain Matsubers elaimed that for 24 hours the radiation cound had been up to 70 a minute -- about 20 above the average limit of human safety.

But when we left the charterous and his technicisms tested the decks and around the lifeboots, the count was only 28 -- four above the background count established on the wharf and within safe limits according to Dostor Hassler.

On deck the language difficulties continued. Dr. Hassler, a big powerful non the toward above most of the Japanese, can speak five languages -- but Japanese is not one of them.

He gestured with his hands and his arms, and the Japanese gastured back.





ACCENT

Captain Matsubara's Singlish was at times quite fluent, but his accent had us defeated.

"How did you know the ship had received a radio-active dose?" the captain and his officers were asked.

"We know because our instruments told us," was the reply.

"But why were you using these instruments?" was the next question.

"We always check them regularly because they are part of our regular equipment on this sort of ship," Captain Hatsubara said.

OPINION

Captain Matsubara's statement later gave rise to a freely expressed opinion that the Japanese had "gone looking for a bit of radiation to sail through."

But the captain and his officers denied this. They stuck to their story that they had accepted the imerican dictation of a safe course, and had been following that course when the wind brought contamination to their ship.

Later we learnt that the visit to Rabsul was not Captain Matsubara's first.

HIS SECOND VISIT TO RABAUL

Ashore the next day he smiled and said: "This Rabaul is a pleasant place now.

"It is all peace today. I remember it differently when it was not a pleasant place.

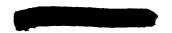
"In the war I was in the Japanese Air Force.

"I was stationed at Vunakanan."

AIRSTRIP

Vunakanau is a big siretrip about 14 miles from Rabaul which was put down before the war and later enlarged and used by the Japanese in their assaults through the South Pacific.

હ



Captain Matsubara is believed to be the only Japanese so far who has visited Rabaul since the war and has admitted to having been stationed there during the war.

He said most of the others on the ship knew nothing of the war.

"They are young and went to school them," he said.

while tests were continued on the deck I went for a walk through the ship.

In the galley, in the engine room and in the equipment rooms, smiling little men looked at me but few seemed to have even the vaguest understanding of English words.

WEALTH

What I saw left me amased at the wealth of equipment scattered through the ship.

It is without doubt one of the cleamest and best-kept ships I have seen. Shining glass, polished metal and brass, and freshly-painted fittings were noticeable throughout the ship.

In the wheelhouse much of the equipment was labelled in duplicate — in Japanese and English.

A fortune's worth of electronic equipment was installed, including various types of radar units, communications equipment, echo-counding recorders and meterological equipment.

Much of the equipment had made permenent records on graphs, and the graphs were neatly stoved in polished metal cases.

RECORD

A complete record was available for instance, of the depths of the ocean at all times during the entire voyage.

All types of navigational aids were installed, and every item of equipment was kept clean and bright.

In the main radio room blue enamel cases held the receiving and transmitting equipment.

The galley was small, gleaning and compact. A cook in white olothes was storing coleured metal stensils in racks, and the oil-fired stove was rearing gently.

The engine room, equipped with two big discels, was painted in green and black with all unpainted metalwork polished to brilliance.



I asked through the ship "Has any one been sick? have you a sick bay?" but could not get an answer.

IN CHAIR

A man half sleeping in a dack chair rose to his feet when he heard my footsteps. I repeated my questions to him.

He looked at me for a few seconds, lifted his shoulders, and replied: "In a few minutes we eat."

BLOOD TESTS MADE ON 51 HEN

Back on dack I found Dr. Hassler making arrangements to ship blood-tested at the Administration clinic.

One of the police officers grinned and said "I wonder how the Doc tests them. Does he shows a bit of litmus paper in their mouths to see if it turns red?"

we all laughed.

The Japanese looked at each other in silence for a few moments. Then they must have decided it was a good joke, because they joined in the laugh.

Only 14 men were blood-tested at first, but later Dr. Hassler decided to run through the complement of 51 officers and men.

From the 51 he found that five were suffering from reduced white blood corpuscle count, which is an effect of radiation exposure. But he considered that even these five were in no danger.

Later in his office he said: "This is my first shall we say, 'atomic' ship. I suppose it is yours, too.

"I have reached several conclusions.

"The first is that there is no loubt in my mind that this ship did receive some radiation contamination. Exactly how much we cannot say because we have only the report of what happened early last week.

CATIST

"There is little doubt that radiation probably caused the blood condition revealed in five men.

"But if these men had been seriously affected as far back as early last week we would begin to have some symptoms by new.



5

"We would have radiation burns and some sickness, but this is not evident.

"Apparently, then, they are not seriously affected.

"I am quite prepared to say that if another ship not fitted with special equipment had received the same amount of contamination, no one would have known anything about it.

"It is only the instrument readings which woke up these people to the fact that there had been some contamination.

"I do not really consider that there has been any danger in the ship itself, since its arrival in Rabaul, but I made it out of bounds for visitors because I felt that was my responsibility.

CLOSED

*Perhaps if we had instruments of our own we could have definitely declared it safe, but as we were forced to use the Japanese instruments at all times, I thought it wiser to close the ship to all except officials.

"I had of course no objection to the Japanese coming ashore, because even if they had been sick from radiation there is no danger to other people. It is not infectious.

We have run another series of tests on the ship and the activity has dropped still further.

"No one seems to need medical care, and there is no reason why the ships should not leave whenever they wish.

"I believe that the conteminated ship passed through the extreme outer fringe of the radio-active cloud.

"This is supported by the fact that the other ship, although in roughly the same area, was not contaminated."

HOS ING

The Japanese say that the only instruction they have received so far from Japan is to continue regular decontemination measures my hosing and scrubbing the ship.

More than 100 officers and men from the two ships have capitalized on the Rabaul visit by going on a tourist spree.





They have walked miles, taken photographs, bought sparingly in a few shope and tried to strike up conversations with some natives.

Most of them are young, and they include a big number of technicians and engineers.

They dress neatly in blue-grey uniforms with white peaked cape and dark ties.

Sometimes they wear conservative sports clothes, usually with the white hanging out over the shorts.

Both the ships took on water and supplies early this week.



Saturday, 26 July SYDMEY collected at Rabaul 27 July CHECKING DUSTED CREME

NEW YORK, Saturday (A.A.P.). -- Three U. S. Army doctors have flown to Rabaul, New Britain, to examine Japanese seamen said to have been dusted with radio-active fallout. (? End of Bulletin. R.M.L.)

The fall-out was from a United States hydrogen bomb test at Eniwetok, in the western Pacific.

The doctors from Truk, in the Caroline Islands, will examine five erew members on the coastguard vessels Takuyo Maru and the Satsuma Maru, who were taken to hospital suffering from radiation exposure.

United Press said the ships sent geiger counters haywire when they reached Rabaul last weekend, but the radiation had dropped below the danger level.

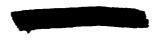
The captains of the two ships, which were making oceanographic studies, said they were well out of the danger some when showered with radio-active fall-out.

Jap Protest

The coastguard in Tokyo says 37 members of the crews and scientific teams abound the vessels have been under medical observation because they showed signs of radiation illness.

Tokyo reports say the Japanese Government is preparing a protest to the U.S. about the incident, which occurred on July 14 outside the designated nuclear danger area.

The incident may spark a new wave of demonstrations in Japan during the



Continuation of item
Saturday, 26 July SYDNEY collected at Rabaul 27 July
world conference against hydrogen bombs, to open in Tokyo on August 12.
Team Going

The conference will begin a week after the two ships are due back in Japan.

In the birden the U.S. is reported to be sending a team of technicisms to

In Washington the U.S. is reported to be sending a team of technicisms to make tests on the two Japanese ships.

U.S. Officials believe that only one of the two ships might have been affected.

Tuesday, July 29, 1958

THE HOMOLULU ADVERTISER

JAPAN TO ASK DAMAGES FOR ATOM DUST

TOKTO (UPI) - Foreign Minister Alichire Fujiyama said yesterday he would ask the U. S. government for a compensation when he gets full reports on damage inflicted on crew men of two atom-dusted Japanese scientific survey ships.

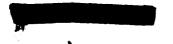
Pujiyana made the statement in answer to a question by Socialist member Mrs. Satoko Tegari who said at a House of Representatives Fereign Affairs Committee meeting that the Japanese Coast Guard boats Takuyo and Satusma were outside the Rikini danger some when they received atomic dust.

Mrs. Togari demanded that the Japanese government file a strong protest with the U. S. Government.

Fujiyama said as soon as he finds the condition of the crew members of the two ships, he would send a protest note to the U.S. and ask for a compensation for any demage inflicted on the crew men.

Dectors on Way to Aid Gremen

YOKOHAMA (UPI) -- The Coast Guard dispatched the 700-ton patrol boat Muroto to Guam yesterday with a doctor and medicine for crew men of two atom-dusted Japanese scientific survey ships.



Continuation of The Henolulu Advertiser item of Tuesday, July 29, 1958
Reports from Rabsul where the Coast Guard boats Takuyo and Satsuma
put in after meeting a radioactive cloud west of the Bikini danger some
said none of the crew men was in danger.

But the Coast Guard, taking no chances, ordered the Muroto to meet the two ships at Guas. The Muroto also carried 11 Coast Guardsmen to take over the duties of any ill personnel.



PERSONNEL

TAKUYO MARU

Captain

, Chief Mate

Ship's Doctor

Head Scientist, Japanese Hydrographic Office,

Tokyo

Scientist, Japanese Hydrographic Office,

Tokyo

Scientist, Japanese Hydrographic Office.

Tokyo

and others

SATULIA MARU

- , Captain
- , Ship's Doctor
- , Oceanographer, Japanese Hydrographic Office
- , Scientist, Japanese Hydrographic Office

and others

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As a result of our examinations of the TAKUTO and the SATURE due of the personnel our findings do not indicate evidence of redisting slokess or any contemination of either vessel which should delay yet departure or normal use of the vessels or equipment either new or in the future.

We are very desirous or somveying to jou and all your personnel and to your Beed Quaters our most sincers appreciation of everyones complete cooperation and personnel friendliance and bely.

It has been our pleasure to have and this opportunity of meeting you personnily and working with you.

We wish to express our thanks and sincers best wishes to you and all your people and wish you a made all and you a made all and you and wish you a made all and your people and wish you a made all and when you and all and you a made and all and when you are and all and you are and all and when you are and all and when you are and all and when you are and all and when you are and all and when you are and all and when you are and all and when you are and all and when you are and all and when you are and all and when you are and all and a second and all and when you are and all and a second and when you are and all and a second a second and a second and a second and a

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LECHAUSSE, Palph M.	Newark (Resex) N.J. 7 Sep 1906	Yes	Hq J77-7	COL, USAF 20818A	
GOEKE, Roscoe H.	Post Falls, Idaho 31 Dec 1917	Yes	CTG 7.5	CAPT, USPHS PHS-3124	
HAMSEN, Carl L., Jr.	Springfield (Hampdon), Mass. 23 Jan 1920	Tes	TG 7.4	LTCOL, USAF 19353A	
	<u>CI</u>				
FRAZEE, Maloolm C.	San Diego (San Diego), Calif. 13 April 1923	Yes	TG 7.4 PAR RUPHENT	1700L, USAF 15564A	
FLEMING, Russell A. (Co-Pilot)	Los Angeles (Los Angeles) Calif. 16 Jan 1932	Yes	TG 7.4 FAR ELEMENT	1ST LT, USAF AO-3203310	
WILLARD, Ernest N. III (Navigator)	Knoxville (Knoxville) Tenn. 5 June 1927	Yes	TG 7.4 PAR BLEMENT	CAPT, USAF AO-591284	
WARD, James F. (Radio Operator)	Homes, Florida, 6 May 1927	Yos	TG 7.4 Par blenkut	S/SGT, USAF AF-44113670	
BORING, John O.	Vinton, Ohio, 26 Nov 1932	Yes	TG 7.4	8/807, USAF AF-15296125	

RELATED

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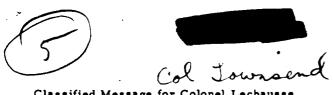
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Classified Message for Colonel Lechausse

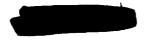
The technical quality of peripheral blood smears forwarded for study is poor and has probably resulted from lack of necessary fixation. The cytologic details are indistinct preventing satisfactory cytologic appraisal of cellular elements and platelets. Fixation may be achieved on future material by dipping freshly dried smears briefly in methyl alcohol.

Evaluation will be limited to estimation of total leukocyte and platelet levels and a differential leukocyte count. The leukocyte levels are recorded as follows:

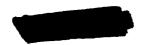
Normal, borderline leukopenia, leukopenia and severe leukopenia, The platelets will be noted as adequate, low, definite thrombocytopenia or uncertain.

> "AC-PARKANALISE MOT REQUIDED EXCEPT DOTOR TO CATEGORY BID REPARTMENT FOR MAKE TO THE ALL INTERNAL FOR THE MOTOR OF COOLER PROTOR TO DECLASE ATTOMAKO BINGLASSIFIED REFERENCE TO DECLASSIFIED REFERENCE IF THE DATE-TIME GROUP IS QUOTED". ..

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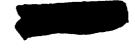
(more)



- Case #1. Severe Leukopenia, 20 N, 4B, 74 L, 2 M. Platelets adequate.
- Case #2. Leukopenia, 44 N, 2 B, 46 L, 8 M. Platelets low.
- Case #3. Leukopenia, 32 N, 60 L, 6 M, 2 E. Platelets low.
- Case #4. Severe leukopenia, 26 N, 70 L, 4 M. Platelets low.
- Case #5. Normal, 62 N, 32 L, 4 M, 2 E. Platelets adequate.
- Case #6. Leukopenia, 42 N, 52 L, 2 M, 4 E. Platelets adequate.
- Case #7. Low Normal, 48 N, 50 L, 2 M. Platelets low.
- Case #8. Borderline leukopenia, 49 N, 8 B, 43 L. Platelets low.
- Case #9. Normal, 68 N, 29 L, 3 M. Platelets low.
- Case #10. Normal, 68 N, 32 L. Platelets adequate.
- Case #11/ Borderline leukopenia, 48 N, 4 B, 46 L, 2 E. Platelets adequate.
- Case #12. Borderline Leukopenia, 42 N, 52 L, 6 M. Platelets low.
- Case #13. Leukopenia, 50 N, 2 B, 42 L, 4 M, 2 E
 Platelets low

Case

- #14. Borderline leukopenia, 30 N, 54 L, 12 M, 4 E. Platelets low.
- Case #15. Normal, 40 N, 12 B, 22 L, 6 M, 20 E. Platelets adequate.

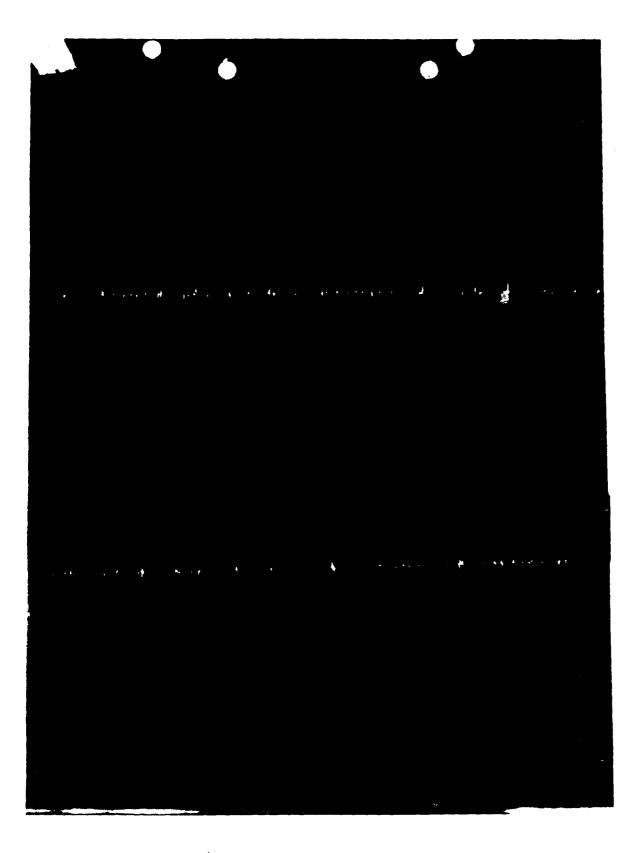


(more)



- Case # 16. Normal, 62 N, 28 L, 10 E. Platelets adequate.
- Case # 17. Normal, 66 N, 6 B, 26 L, 2 M. Platelets uncertain technically.
- Case # 18. Leukopenia, 47 N, 43 L, 10 M. Platelets low.
- Case # 19. Leukopenia, 40 N, 54 L, 3 M. Platelets low.
- Case # 20. Borderline leukopenia, 50 N, 10 B, 36 L, 4 M. Platelets adequate.
- Case # 21. Normal, 55 N, 10 B, 24 L, 6 M, 5 E. Platelets uncertain technically.
- Case # 22. Severe Leukopenia, 30 N, 66 L, 2 M, 2 E. Thrombocytopenia.
- Case # 23. Leukopenia, 42 N, 6 B, 52 L. Platelets uncertain.
- Case # 24. Severe Leukopenia, 42 N, 4 B, 46 L, 6 M, 2 E. Platelets un certain.

- 3 -



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MEDIDRAMDONIA

SUBJECT: Filing Communications Traffic at RABAUL

- 1. Communications facilities for handling message traffic in and out of RABAUL are commercial facilities similar to our Western Union.
- 2. For your information, message traffic filed at RABAUL for JTF-7
 Enivetok would follow either one of the following routes:
- a. To Melbourne for refile into the USAF AL:COMMENT gystem at Okinewa.
- b. To Melbourne for refile over RCA radio system to Honolulu, then into military system at Ft. Shafter.
- 3. It is suggested that upon arrival RABAUL that you contact the commercial communications facility and advise them that you expect messages from JTF-7 or other sources, and that you can be reached at a specific address or telephone number. Any messages sent to you from JTF-7 will be addressed to you in care of the commercial communications facility.
- 4. If other more convenient arrangements can be made for filing and delivery of message traffic at RABAUL after your arrival, advise JTF-7 so that specific address or other information can be included in the message address to insure your receipt.

