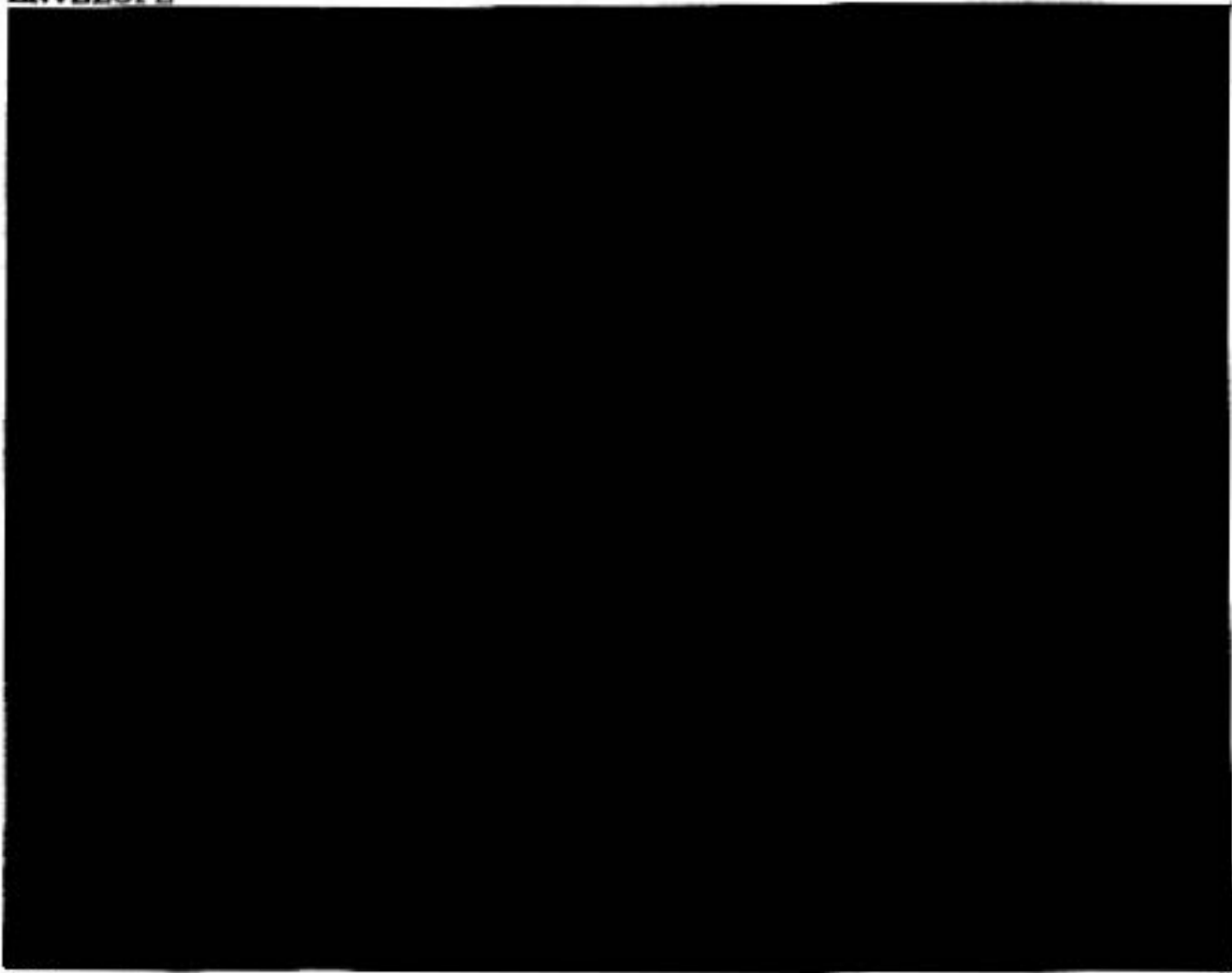


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INQUIRE=DOC18D  
ITEM NO=00259677  
ENVELOPE



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CONTROLS

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SECTION 01 OF 04

SERIAL: (U) IIR 2 240 7176 92.

/\*\*\*\*\* THIS IS A COMBINED MESSAGE \*\*\*\*\*/  
BODY

PASS: (U) 

COUNTRY: (U) CUBA (CU).

SUBJ: (U) IIR 2 240 7176 92/CUBAN FACILITIES ASSOCIATED WITH BIOTECHNOLOGY (U).

WARNING: (U) THIS IS AN INFO REPORT, NOT FINALLY EVALUATED INTEL. REPT CLASSIFIED ~~CONFIDENTIAL~~ NOFORN.

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DEPARTMENT OF DEFENSE  
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DOI: (U) 920300.

REQS: (U) [REDACTED]

SOURCE: ~~(e/NF)~~ [REDACTED]

SUMMARY: ~~(e)~~ SCIENTIFIC RESEARCH IS CONDUCTED AT DIFFERENT FACILITIES IN CUBA. [REDACTED]

TEXT: (U)

1. ~~(e)~~ SYNOPSIS. THE NATIONAL CENTER FOR THE PRODUCTION OF LABORATORY ANIMALS IS LOCATED IN THE OUTSKIRTS OF BEJUCAL [REDACTED] THE NATIONAL CENTER FOR BIOPREPARATION IS LOCATED AT BEJUCAL NEAR THE ABOVE FACILITY. HEMODERIVATIVES, SUCH AS LEUCOCYTIC MASSES AND PLASMA, ARE PROCESSED HERE. THE CENTER FOR MICRO-ELECTRONIC RESEARCH (CIME) IS PART OF THE HIGHER POLYTECHNIC INSTITUTE AT JOSE ANTONIO ECHEVARRIA. THE CIME HAS DEVELOPED BIOSENSORS FOR BIOLOGICAL ENERGY AND BRAIN MAPPING. THE CENTER FOR SCIENTIFIC INFORMATION IS LOCATED OPPOSITE THE CUBAN ACADEMY OF SCIENCE IN HAVANA. THE CENTER IS CONNECTED VIA COMPUTER LINK TO THE NATIONAL CENTER OF SCIENTIFIC RESEARCH (CENIC) AND THE CENTER OF GENETIC ENGINEERING AND BIOTECHNOLOGY (CIGB). [REDACTED]

[REDACTED] THE LABORATORY OF CLINICAL PATHOLOGY COLLABORATES WITH THE NEURONIC TEAM FROM THE NATIONAL CENTER FOR SCIENTIFIC RESEARCH. THE PEDRO KOURI INSTITUTE OF TROPICAL MEDICINE HAS THREE DISTINCT MISSIONS, I.E., TEACHING, RESEARCH AND MEDICAL ASSISTANCE.

2. (U) CUBAN FACILITIES ASSOCIATED WITH BIOTECHNOLOGY AND RESEARCH.

A. ~~(e)~~ NATIONAL CENTER FOR THE PRODUCTION OF LABORATORY ANIMALS. THE NATIONAL CENTER FOR THE PRODUCTION OF LABORATORY ANIMALS (CENTRO NACIONAL DE PRODUCCION DE ANIMALES DE LABORATORIO - CENPALAB) IS LOCATED ON THE OUTSKIRTS OF BEJUCAL [REDACTED]

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THIS IS A RELATIVELY NEW FACILITY SURROUNDED BY A FENCE 5 FEET HIGH. THE BUILDING IN WHICH ANIMALS ARE BRED AND KEPT IS A LARGE ONE-STORY FACILITY WITH MANY CORRIDORS. NUMEROUS VETERINARIANS WORK AT THE CENPALAB. ALL OF THE ANIMALS ARE DISEASE FREE AND INCLUDE MICE, RATS, RABBITS, GUINEA PIGS, MONKEYS AND DOGS (BEAGLES). THESE ANIMALS ARE USED IN EXPERIMENTAL RESEARCH AND ALSO SOLD ON THE INTERNATIONAL MARKET. THE FACILITY HOUSED AN INCINERATOR.

B. ~~(c)~~ NATIONAL CENTER FOR BIOPREPARATIONS. NATIONAL CENTER FOR BIOPREPARATIONS (CENTRO NACIONAL DE BIOPREPARADOS - BIOCEN) IS LOCATED AT BEJUCAL AND NEAR CENPALAB. THIS IS A LARGE ONE-STORY BUILDING WITH MANY CORRIDORS. HEMODERIVATIVES, SUCH AS LEUCOCYTIC MASSES AND PLASMA, ARE PROCESSED HERE.

C. ~~(c)~~ THE CENTER FOR MICRO-ELECTRONIC RESEARCH. THE CENTER FOR MICRO-ELECTRONIC RESEARCH (CIME) IS PART OF THE HIGHER POLYTECHNIC INSTITUTE AT JOSE ANTONIO ECHEVARRIA. THE CIME PARTICIPATED IN THE DESIGN AND MANUFACTURE OF THE HEATING, VENTILATION AND AIR CONDITIONING EQUIPMENT FOR THE GENETIC ENGINEERING AND BIOTECHNOLOGY CENTER (CENTRO DE INGENIERIA GENETICA BIOTECNOLOGIA - CIGB). THE CIME HAS DEVELOPED BIOSENSORS FOR BIOLOGICAL ENERGY (HEAT SENSOR) AND BRAIN MAPPING.

D. ~~(c)~~ THE CENTER FOR SCIENTIFIC INFORMATION. THE CENTER FOR SCIENTIFIC INFORMATION (CENTRO DE INFORMACION CIENTIFICA) IS LOCATED OPPOSITE THE CUBAN ACADEMY OF SCIENCE IN HAVANA. THE CENTER FOR SCIENTIFIC INFORMATION IS PART OF THE CUBAN ACADEMY OF SCIENCE. ALL INDICES OF PUBLISHED WORKS AND PATENTS ARE LOCATED HERE AND ALL INTERNATIONAL PUBLICATIONS ARE RECEIVED HERE. SOME RESEARCH CENTERS MAY RECEIVE THEIR OWN INDIVIDUAL COPIES. SCIENTISTS INTERESTED IN RECEIVING SPECIFIC JOURNALS MUST REQUEST THEM THROUGH THEIR PLACE OF EMPLOYMENT, PAY FOR REQUESTED ITEM, AND READ IT AT THE CENTER FOR SCIENTIFIC INFORMATION. PHOTOCOPYING IS AVAILABLE; HOWEVER, THERE IS ALWAYS A PROBLEM WITH THE MACHINE AND A SHORTAGE OF PAPER AND INK. THE NATIONAL CENTER FOR SCIENTIFIC RESEARCH (CENTRO NACIONAL DE INVESTIGACIONES CIENTIFICAS - CENIC) AND THE CIGB ARE CONNECTED VIA COMPUTER LINK TO THE CENTER FOR SCIENTIFIC INFORMATION.

E. ~~(c)~~ CENTER FOR MEDICAL SCIENCES. THE CENTER FOR MEDICAL SCIENCES (EL CENTRO DE CIENCIA MEDICA) IS LOCATED BETWEEN 23D STREET AND O STREET AT VEDADO, HAVANA CITY.

F. (U) INSTITUTE OF FUNDAMENTAL BRAIN RESEARCH.


(1) ~~(c)~~ MISSION. THE INSTITUTE OF FUNDAMENTAL BRAIN RESEARCH COORDINATES ITS RESEARCH WITH THE BIOLOGY FACULTY OF THE UNIVERSITY OF HAVANA AND THE AQUARIUM'S INSTITUTE OF OCEANOLOGY. THIS FACILITY PROVIDES ALL NEUROTOXINS AND SUPPLIES TO THE OTHER RESEARCH CENTERS. NEUROTOXINS ARE PRODUCED IN SMALL AMOUNTS, BUT CUBA HAS THE CAPABILITY TO CHEMICALLY SYNTHESIZE SOME OF THEM. SCIENTISTS AT THE INSTITUTE STUDY THE MOLECULAR STRUCTURE OF A COMPOUND AND THE REACTION MODES OF SYNTHESIS. THE INSTITUTE OFFERS TRAINING AND

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COLLABORATION WITH OTHER INSTITUTES BUT NO FOREIGNERS WORK THERE.

(2) ~~(e)~~

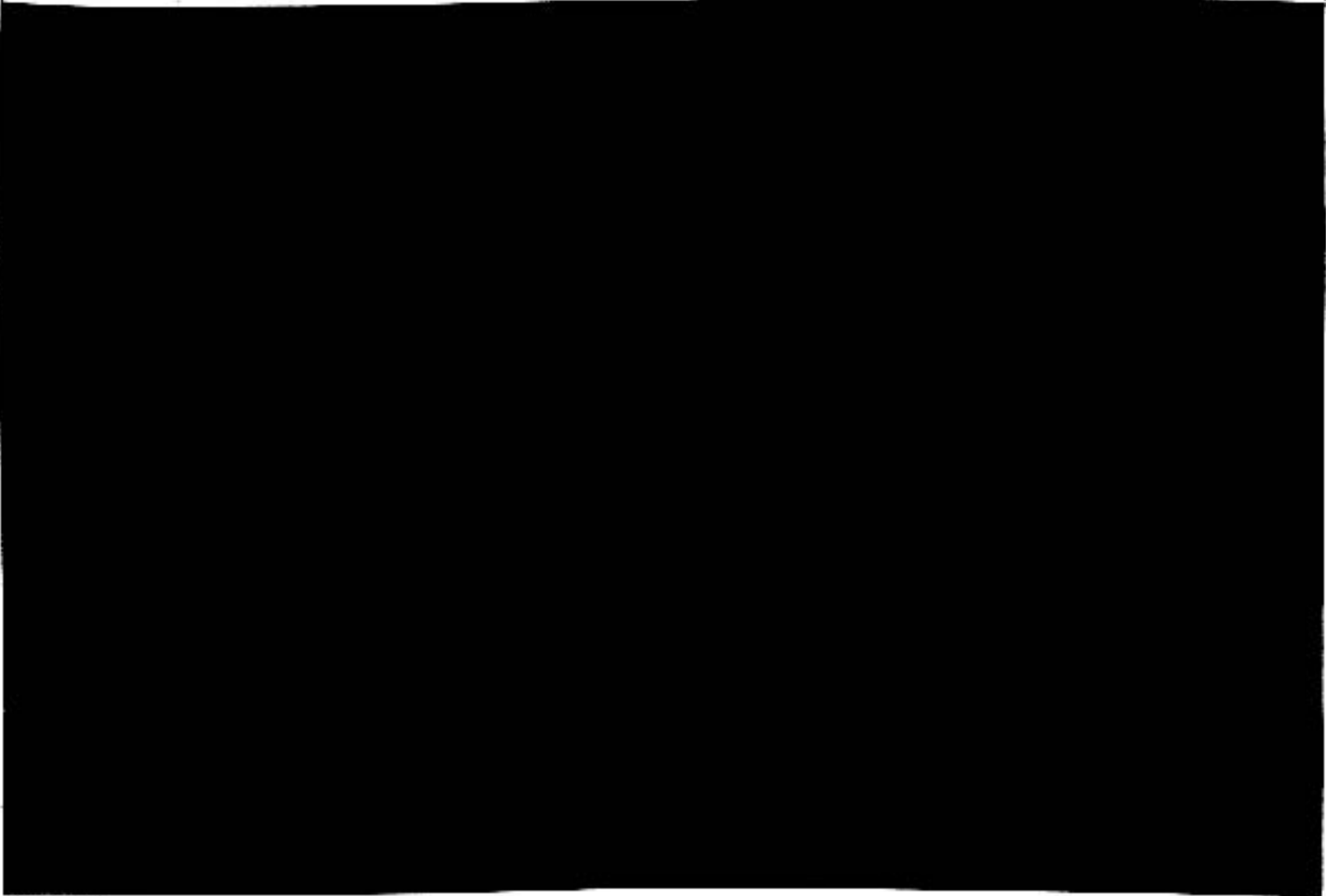


G. (U) THE IBERO CENTER FOR TRANSPLANTS AND NERVOUS TISSUE REGENERATION.

(1) ~~(e)~~



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ADMIN

PROJ: (U) 202600.  
 COLL: (U) [REDACTED]  
 INSTR: (U) US: NO.  
 ENCL: (U) NONE.  
 PREP: (U) [REDACTED]  
 ACQ: (U) FT GEORGE G. MEADE, MD (920430).  
 DISSEM: (U) FIELD: NONE; SENT TO: NONE.

WARNING: (U) REPORT CLASS ~~CONFIDENTIAL~~ NOFORN.

~~DECB~~ CADR  
BT

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