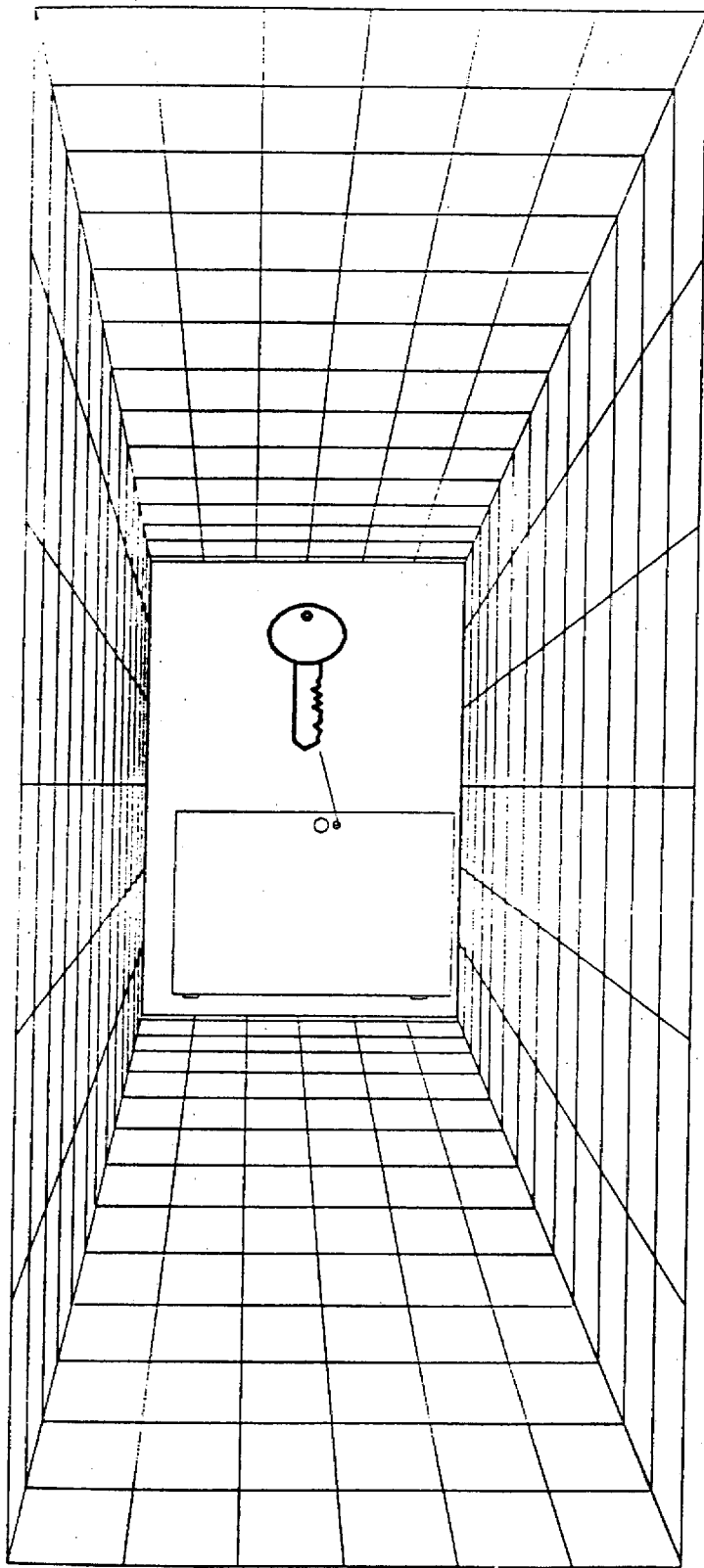


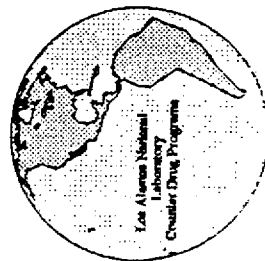


UNLOCKING THE SECRETS Open-Source Intelligence in

The War on Drugs

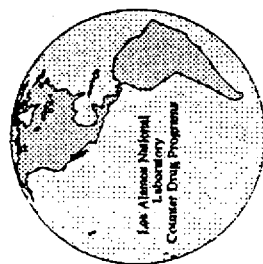
Dr. J.F. Holden-Rhodes

Los Alamos National Laboratory

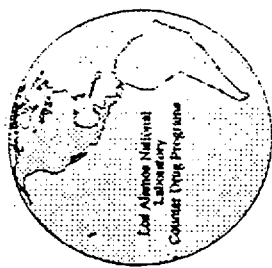


Open-Source Solutions:

What multi-media collection, processing, and dissemination tools and methodologies are available to convey unclassified information to national and defense intelligence analysts?



Agenda



1- Background - LANL & U.S. Southern Command Intel Support

2- Why OSINT?

3- OSINT Issues

4- Approach/Methodology

5- OSINT Counter Drug Introduction Cycle...Examples of Collection Sources

6- Examples of OSINT Products.. Drug Production Countries

Drug Transshipment Countries

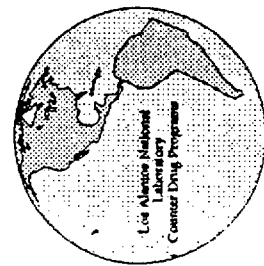
7- Summary

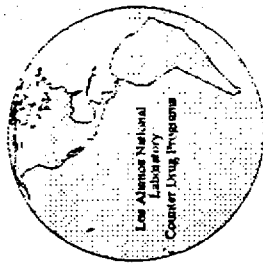
8- Questions

Open-Source Intelligence



Information drawn from open sources that is evaluated and analyzed and from which a definitive intelligence product is the result.

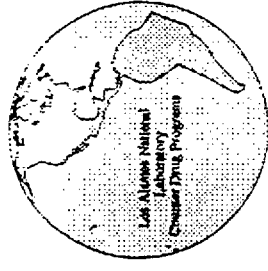




Why OSINT?

- 1- PAST EXPERIENCE with open source intelligence production in field of terrorism suggested the richness and depth of such an approach.
- 2- PROTOTYPE study over a ten year span of drug trafficking in Caribbean and Mexico confirmed validity of approach and compared favorably to classified information.
- 3- INITIAL SAMPLING of open source information on drug producing and transshipment countries suggested that solid OSINT could be produced
- 4- OSINT "mirroring" techniques could provide access to inaccessible places
- 5- OSINT could provide the foundation for CD modeling, simulation, and analysis; ultimately predictive actionable intelligence products.
- 6- OSINT would be a vehicle with which to share the secrets at the international, DOD, federal, state, and local LEA's.

OSINT: Questions & Issues

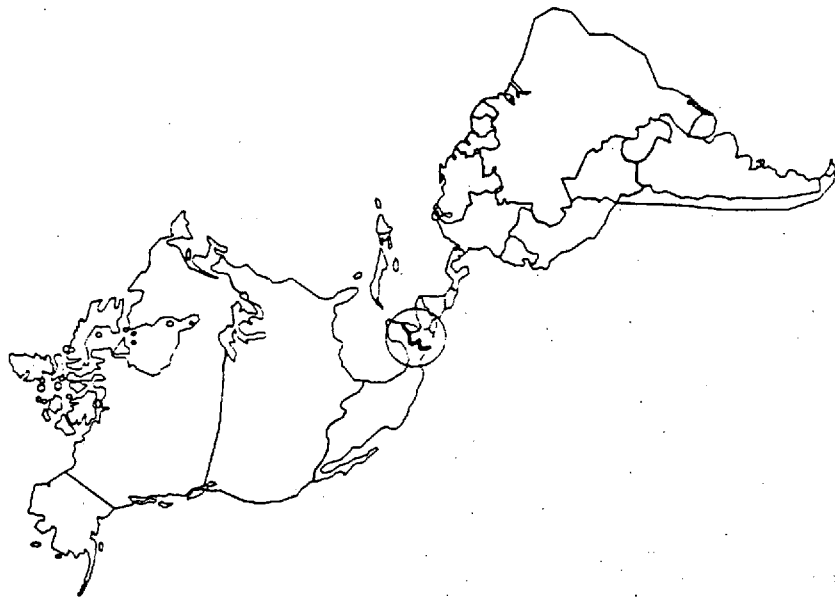


- 1- Availability of Sources
- 2- Collection Timeliness
- 3- OSINT Production Time Frame
- 4- Info. Indexing and Retrieval.
- 5- Composition of OSINT Team
- 6- Could Quantifiable Info. be Produced to Support Modeling?
- 7- What Realm OSINT- Strategic, Operational, Tactical?
- 8- Sources and Citations.
- 9- Acceptability of OSINT Product Customer & Intelligence Community
- 10- Measures of Effectiveness
- 11- Would OSINT Assist In Sharing the Secrets?

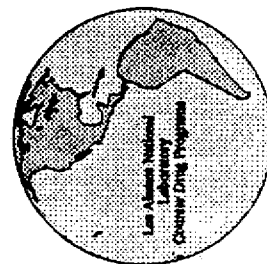
Background:

November 1991:

LANL Responds to U.S. SOUTHCOM
request for support in
drug trafficking interdiction

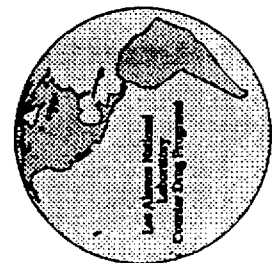
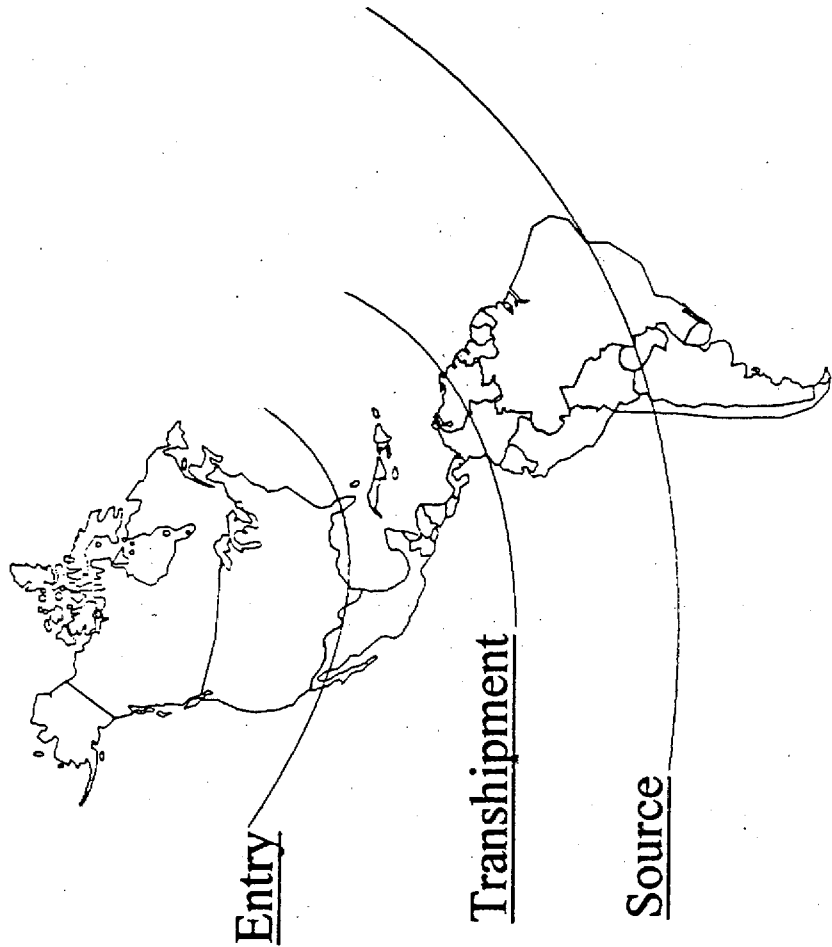


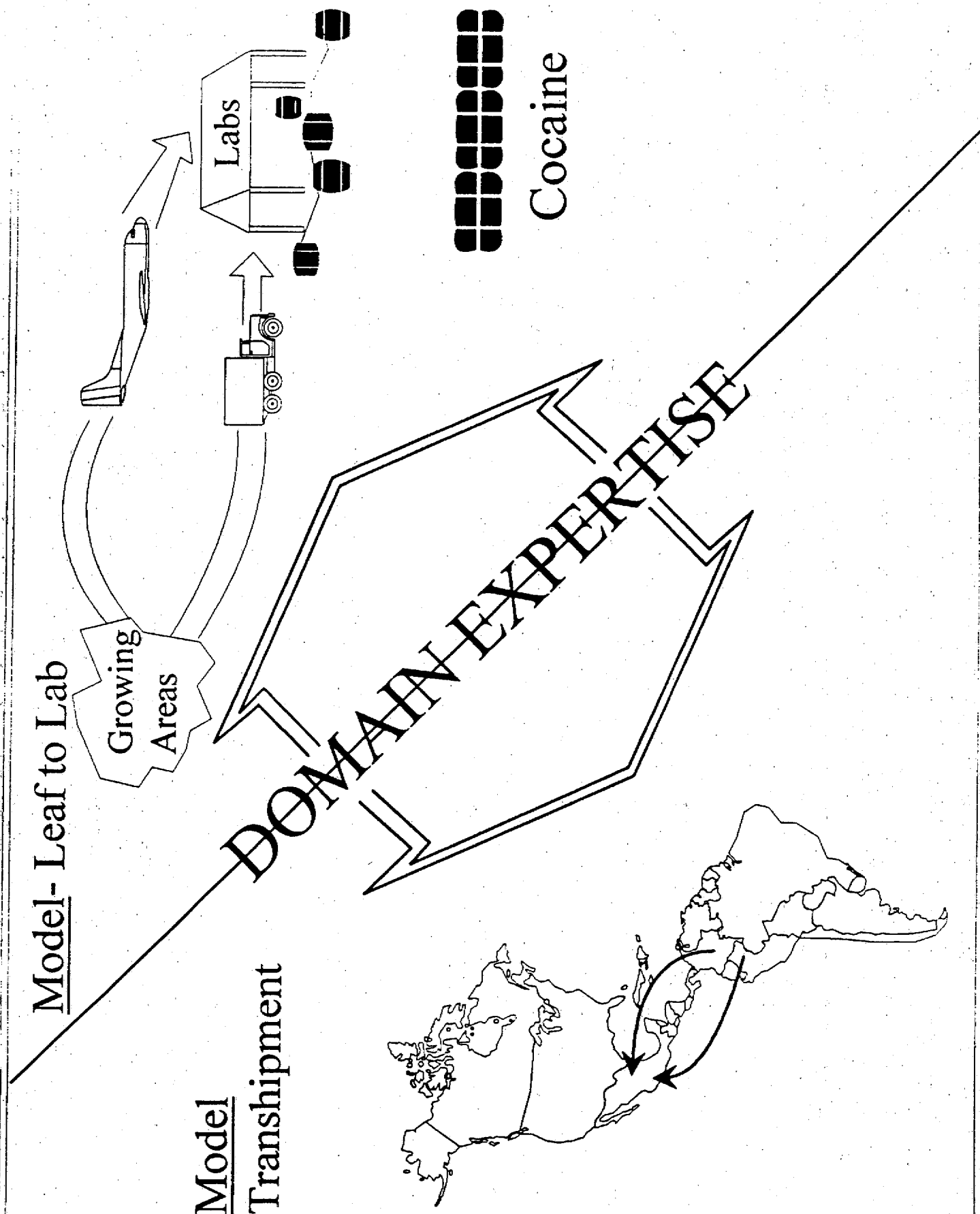
A/O SOUTHCOM



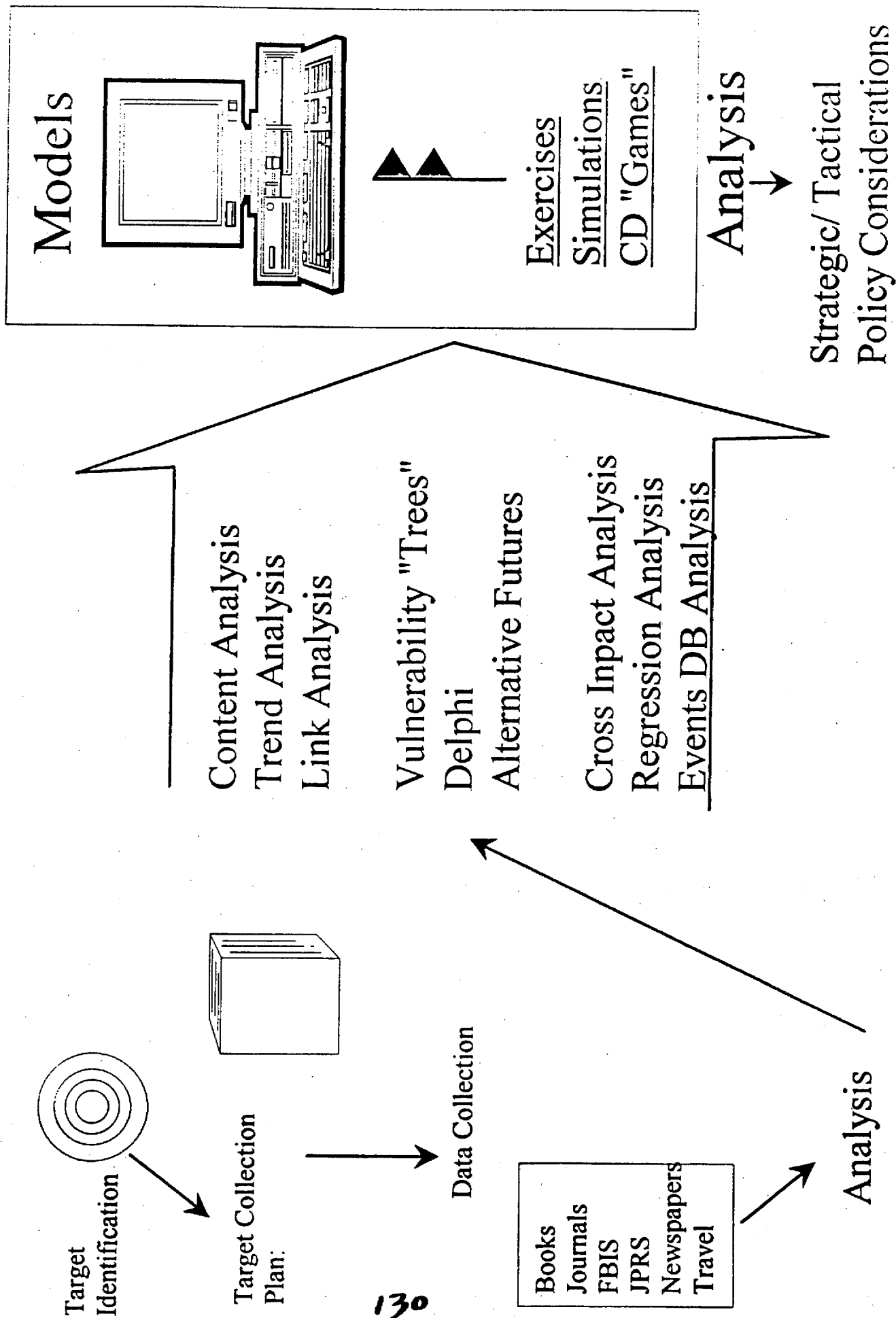
Purpose:

To describe the production of Open-Source intelligence in drug production and transshipment countries.





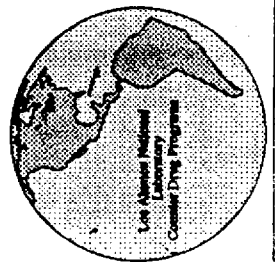
Models & Simulations : The Pathway



OS Catch - 22:

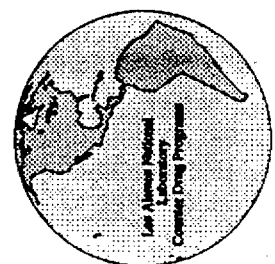
" The fact that classified information has appeared in print, on TV, in speeches or in open meetings does not make it unclassified."

Notice: Lawrence Livermore National Laboratory.

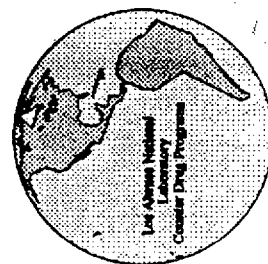
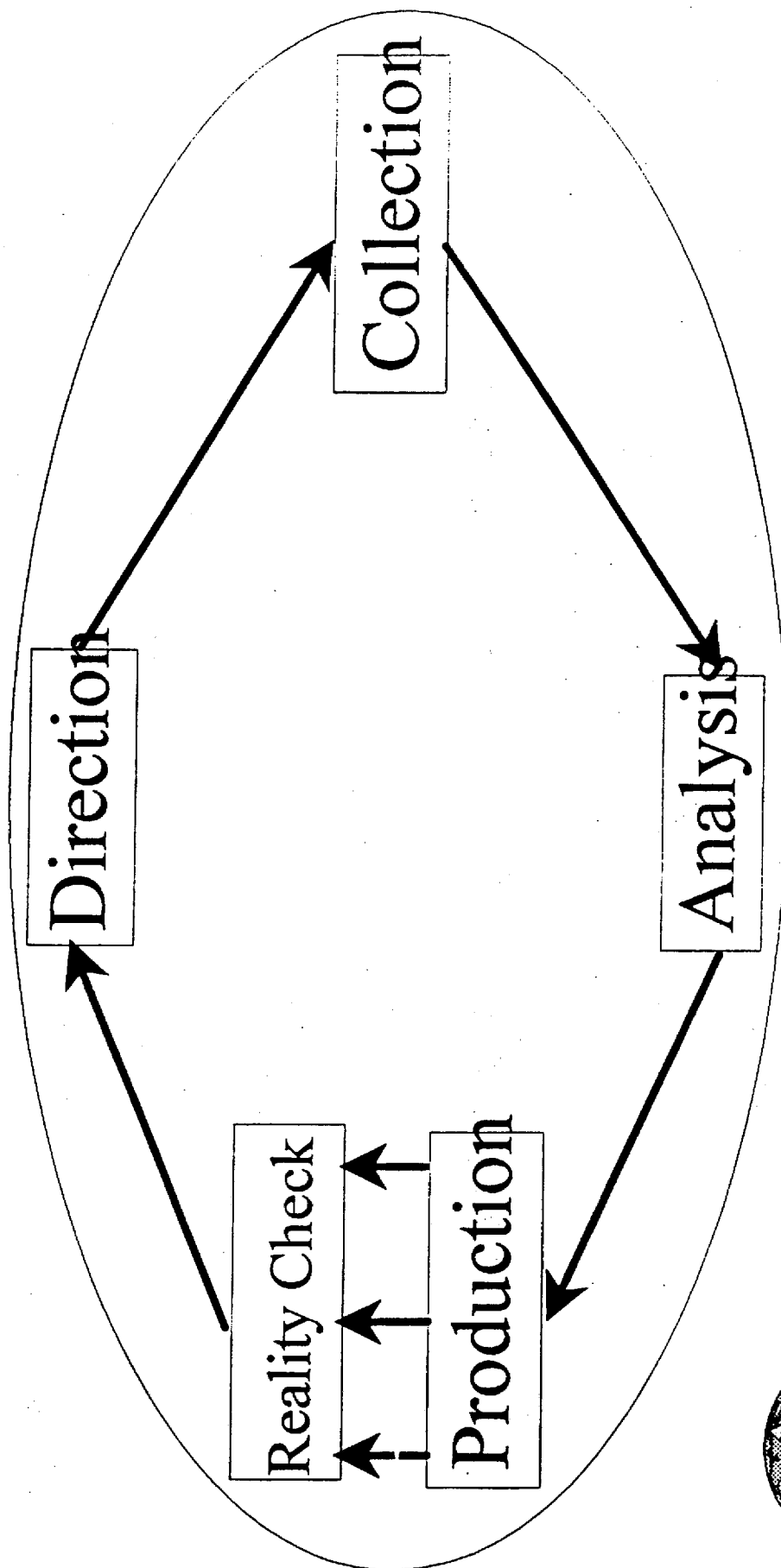


Methodology:

- 1) Frame hypothesis.
- 2) Build team.
- 3) Follow Intelligence Production Cycle
 - a. Develop Target Collection Plan (OFF THE SHELF!!!)
 - b. Collect
 - c. Analysis
 - d. Product(s)
- 4) Quantify qualitative products
- 5) "Feed" prototype model.
- 6) "Reality" check(s) - review products w/ customer, selected intel agencies..



OPEN SOURCE INTELLIGENCE PRODUCTION CYCLE



Target Collection Plan:

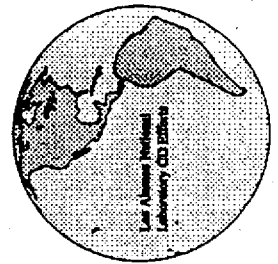
- 1) Search strategy(s) - HOW, WHAT, WHERE
- 2) Follow intelligence production cycle.
- 3) Info. must be "off-the-shelf" domestic and foreign collection.

4) Example of Domestic:

Govt Pubs
FBIS NNICC/NDCS/TNCSR
JPRS
Books
Journals
Newspaper
News Letters
Maps
On Line Services

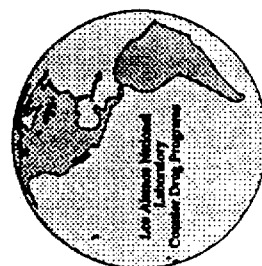
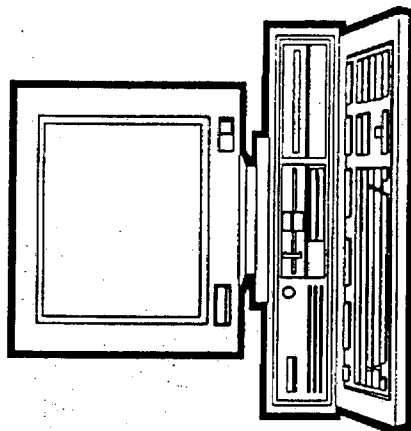
Foreign:

Colombia: El Tiempo
 El Spectador
Peru: Caretas
 Expresso
 El Peruvano
 Oiga
Bolivia: Presencia
 El Mundo
Guatemala: Prensa Libre
Mexico: Proceso
 Excelsior
Spanish Language T.V.



Target Collection Plan: (cont.)

- 5) 28 on line databases
 - Lexis-Nexis - Full text format
 - Dialog - Pathway - 400 dbs
 - Newsnet - Pathway - 300 dbs
 - Reuters

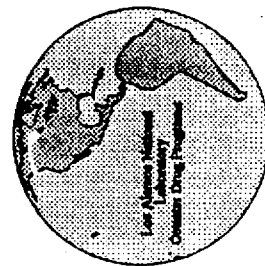
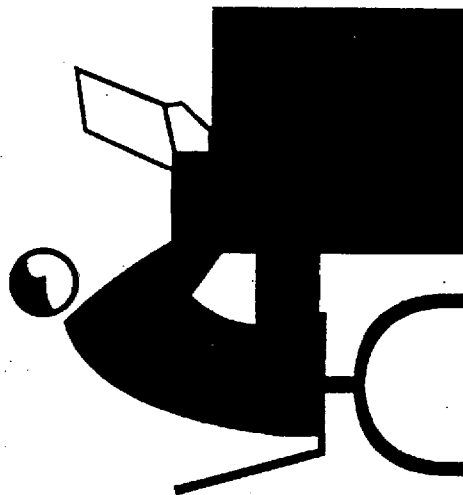


Analysis:

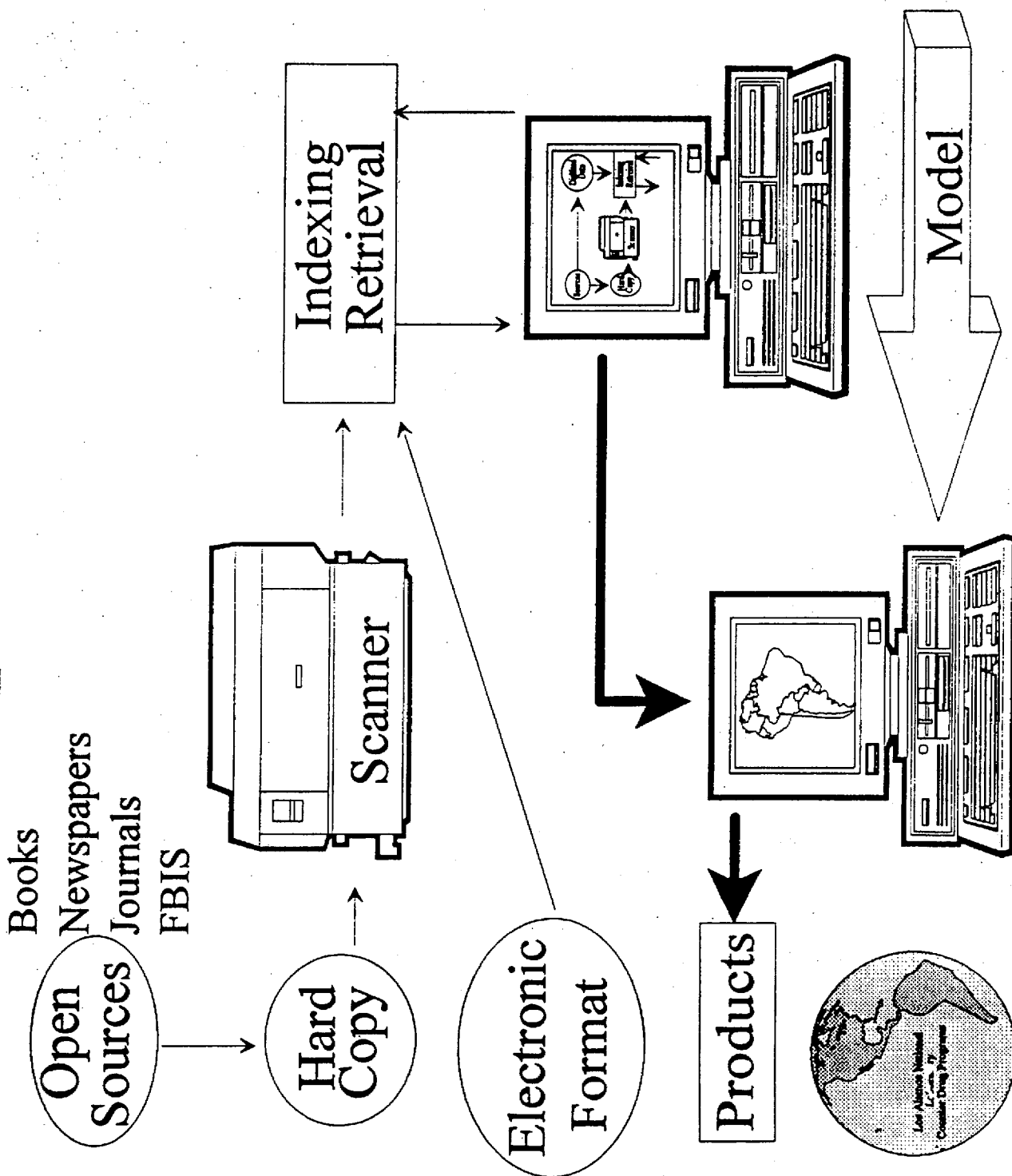
Melding of all sources for accuracy and focus

1- QUALITATIVE

2- QUANTITATIVE

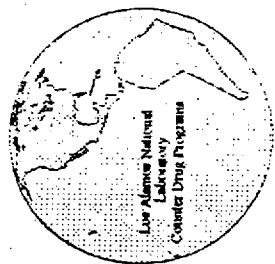
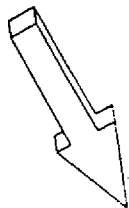
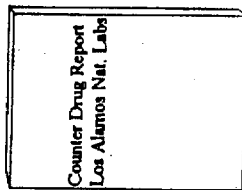


Production Schematic:

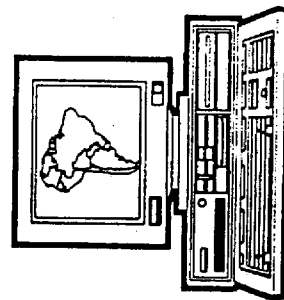
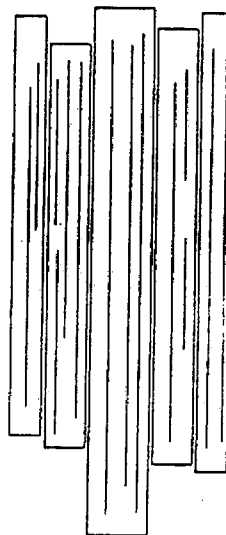
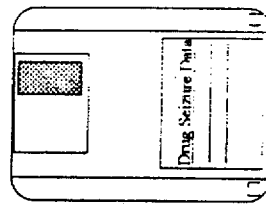


"Reality" Check / Review:

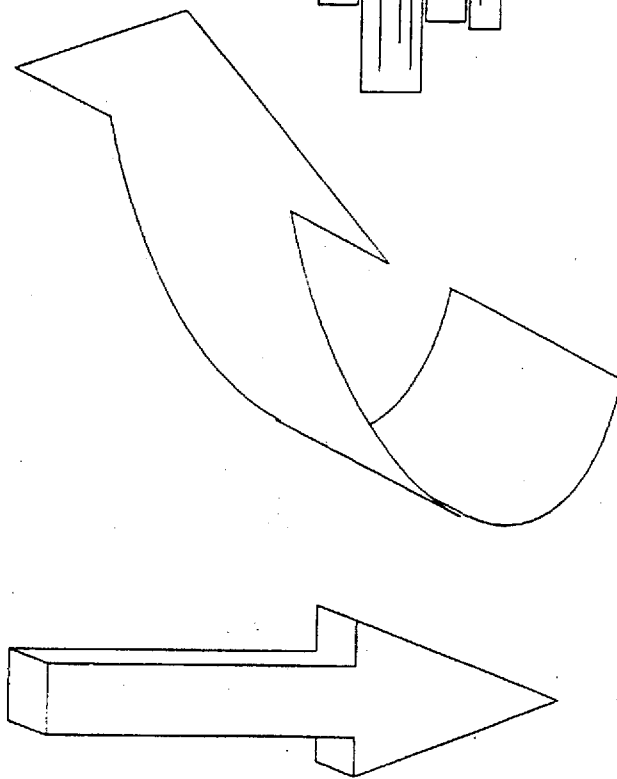
Provide Product(s) to:
U.S. Southern Command
12th Air Force
DEA

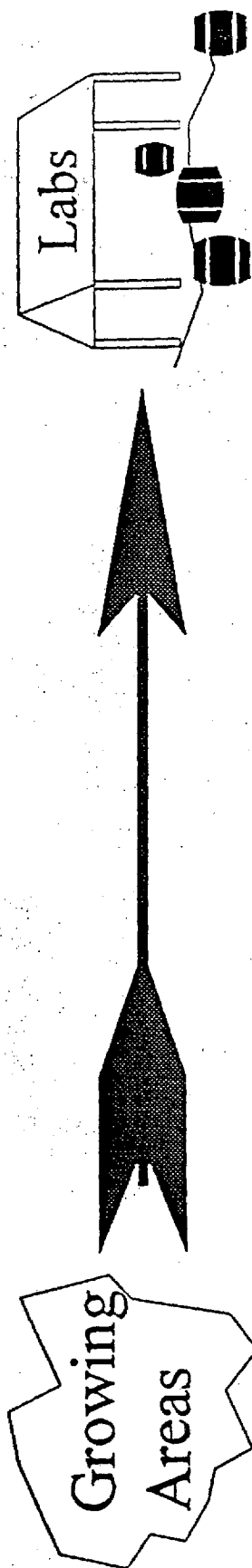


Deliver Products



Smooth /Change





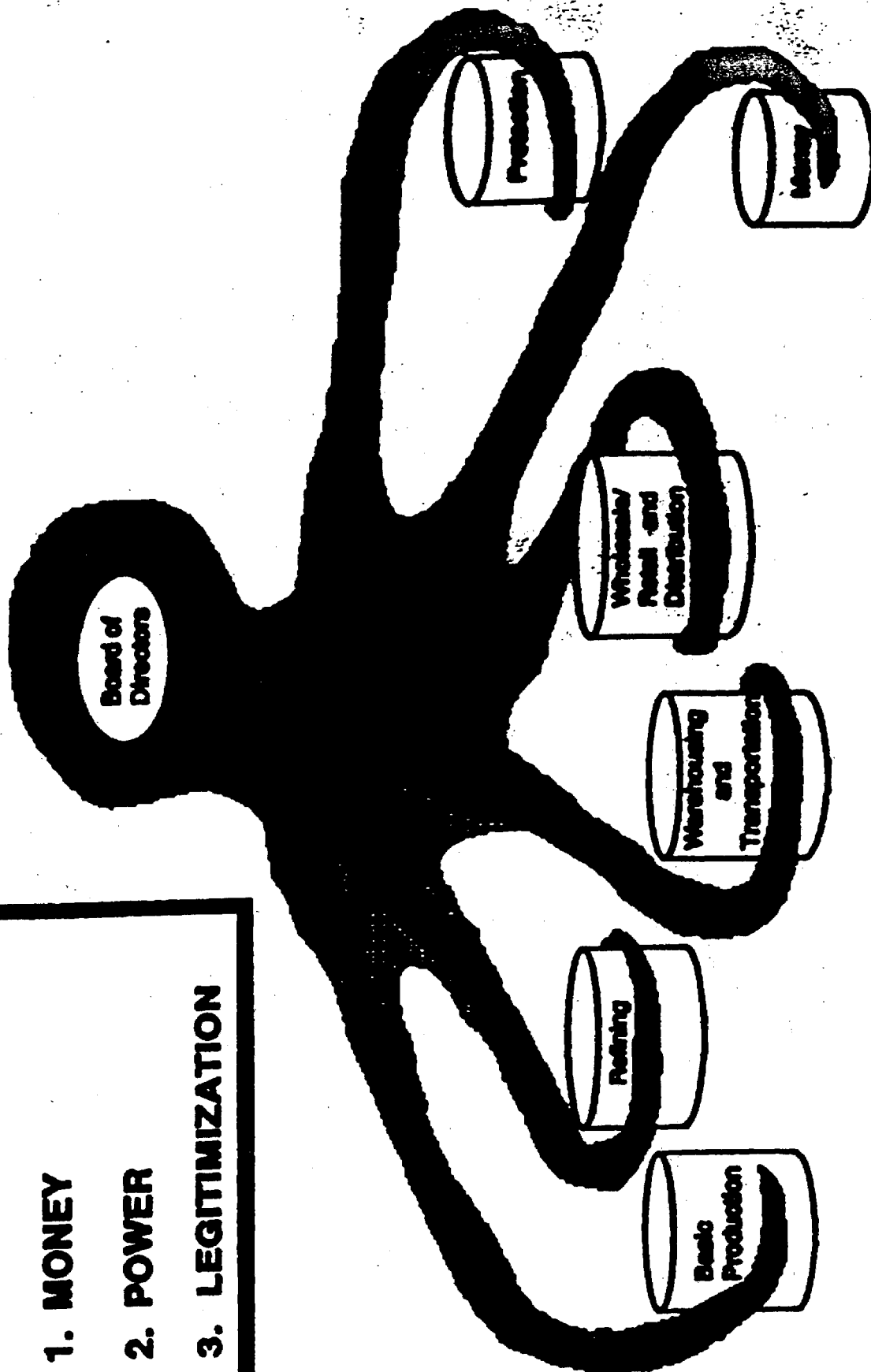
LEAF to LAB

OSINT Product Examples

NARCO BUSINESS FUNCTIONS AND GOALS

GOALS

1. MONEY
2. POWER
3. LEGITIMIZATION



Lee Almon

NOVI
AVO
1987

ILUSTRACION PERUANA

Careta



Bajo el fuego
en Bogotá

Narcotráfico Tejes y manejes de "La Araña" (los hilos de la organización)



Homage

clave

...en los hilos
de la araña

En marzo de 1984, el
ciudadano italiano
Italo Scolesi (Izquierda) y
un acompañante colombiano
no fueron detenidos con los
hilos de "cloro" en el
departamento de Reynaldito.
Rodríguez. Scolesi ha
sido empleado de
Rodríguez y forma parte de
lo que empieza a revelarse
como la trama de una verda-
dera tela de araña



[Text] Santa Fe de Bogota—The police have formed a 100-man "Antipoppy Brigade." After glyphosate, there will be biological warfare with fungi and larvae. Great Britain is heading the activity.

Where is the opium produced by 10,000 hectares of poppies ending up? This is the question that the Antinarcotics Police intend to answer in order to prevent this new drug trafficking phenomenon from taking possession of the country.

Thanks to an offensive enacted during the past six months and the exchanges of information with other police forces in the world, the first bits of information are becoming visible. One high-ranking police officer commented: "We are now solving the crossword puzzle."

Just a week ago, intelligence units detailed to Cali discovered that the Valle capital was the site of a meeting of several "poppy Mafia" ringleaders with a committee of purchasers that had arrived from Europe.

The raid on the building in which the summit meeting was taking place and the capture of the attendees were thwarted by a mechanical failure. Nevertheless, it was determined that the Port of Buenaventura is possibly being used to send shipments of poppy latex, primarily to the United States.

This is part of the evidence that revealed one of the marketing routes being used by the drug dealers that, according to the police, are in addition to those also discovered leading to the United States and Europe by way of Suriname and Curacao. These sites have been used as collection centers at which human mules arrive with an average of five kg of latex.

The shipments are almost always sent by land from the main marketing centers established in Rionegro and Balsillas, in Huila; San Alfonso, Silvia, Argelia, and Balboa, in Cauca; and San Antonio, in Tolima. Stops are later made in Neiva, Popayan, Ibague, Armenia, and Pereira, and then they begin their journey abroad.

The antinarcotics director, Colonel Alfonso Arellano Rivas, remarks: "We have received information to the effect that the opium produced in Colombia is being processed in the United States, Spain, and France in mobile laboratories that can easily be operated in any residence."

He claims that some of the poppy traffickers are also engaged in the coca business, as in the case of the Medellin and Cali Cartels. These groups, particularly the organizations created in northern Valle and Risaralda, prefer shipments camouflaged on a boat.

The Cordoba Case

Although up until now, the strategy of separating opium shipments from those of cocaine has been required and exporting the former is done through the "trickle"

system, the police have just discovered a case in which indicates that poppy by-products are being exported on a large scale.

The official, who directed an antinarcotics operation in Cordoba a year ago, notes: "On that occasion we managed to seize 10,200 kg of cocaine in a cache on the outskirts of Monteria. Up to that point, everything was normal but, inside the shipment, there were 500 kg of a dark, moist, gummy substance, contained in sacks and bags and covered with bee's honey, which we think was cocaine residue. It was all incinerated, and now we have learned, through informants, that the blow dealt to that drug dealing ring was not so much the cocaine seizure as that of the other substance: latex. This could quite likely be happening now because the coca traffickers have the complete infrastructure for achieving it."

War Options

Under these circumstances, Colonel Arellano claims, the police will not allow the phenomenon to go out of control.

"We have just appointed what will be called an 'Antipoppy Special Brigade,' which is a group consisting of 100 men with the most experience in the field, who will come under the command of a major. They will operate alternately in the 13 departments in which we have detected poppies."

"Furthermore, because the poppy mules may be using the airports to travel abroad, the first 20 police dogs able to detect latex, morphine, and heroin have been trained, along with their respective agent guides. Sometime this month they will begin working, initially at the terminals in Santa Fe de Bogota, Cali, Neiva, Popayan, Florencia, Ibague, and Medellin. Later, we'll attempt to cover the principal ports."

"We have received great international support for this battle. In February, I had the opportunity to attend a world summit meeting on heroin in Kuala Lumpur, Malaysia, where the Colombian problem was discussed for the first time on that level. Great Britain has assumed the leadership of the war, because it has many addicts. Its cooperation, through the Chemical Action Support Force, is expected to be crucial to our success."

"Among the most innovative proposals is that of using fungi or larvae to eradicate poppies. The fact is that we are not going to continue using glyphosate indefinitely; rather, we must consider other options, and this could be one. We have also established police and diplomatic contacts with the Asian countries, the world's leading heroin producers, and we are exchanging information."

"Furthermore, we intend to seek new strategies for working with the civil aeronautics authorities to exercise more effective control over landing strips, particularly in northern Valle."

El cerco sobre Lima de Sendero Luminoso se basa en dos movimientos coordinados. Uno, consiste en infiltrar los pueblos jóvenes de la capital. Otro, en tomar los pueblos aledaños y las rutas de acceso a la capital. A la fecha controlan prácticamente todos los caminos secundarios. Salvo las grandes carreteras, todo el resto está bajo su control. Recientemente arrasaron el castigado pueblo de Andajes, hoy abandonado por sus habitantes. Los vehículos sólo pueden llegar hoy día hasta Churín. La policía, carente de recursos, no ha hecho más que retirarse, abandonando el terreno a la subversión.

El Cerco de Lima

Sendero está copando todos los accesos a la capital en la sierra de Lima.

SENTADA sobre una banca de cemento en la puerta del destruido local comunal del pueblito de Andajes, una anciana de rostro curtido canturrea en español y quechua:

Papay, Dios Santo, aparquhuay/ Manañam huahuaycuna cancho, yarccaymantan huañuchani/Ayy... Dios papalindo, Kaycapaman sufrichihuanqui/ilmataarak rurarkani?, Dios Santo, caynaña huañuycuna canampacc, llaktaypas chincanampak.

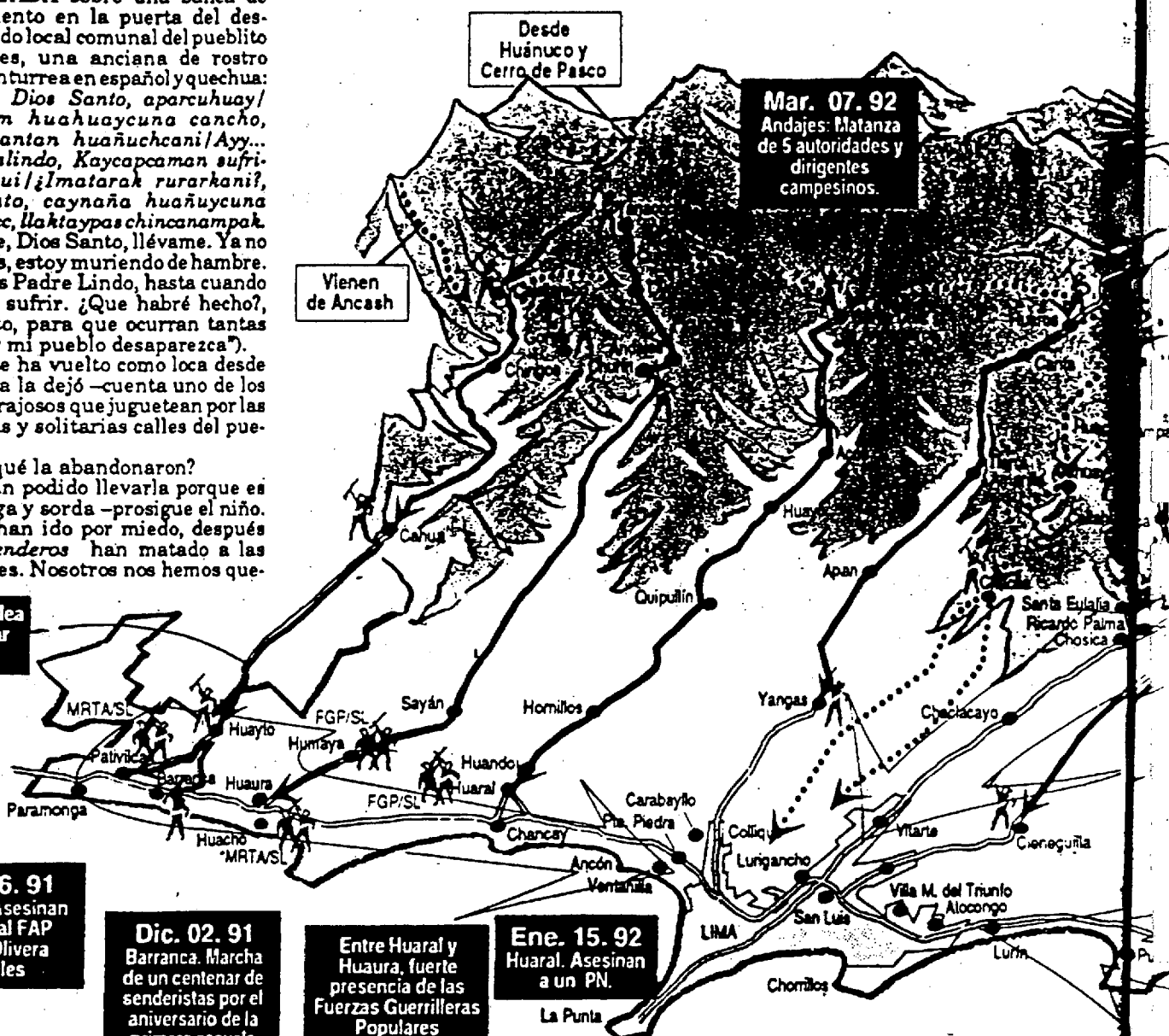
("Padre, Dios Santo, llévame. Ya no tengo hijos, estoy muriendo de hambre. Ayy... Dios Padre Lindo, hasta cuando me harás sufrir. ¿Que habré hecho?, Dios Santo, para que ocurran tantas muertes y mi pueblo desaparezca").

—Ella se ha vuelto como loca desde que su hija la dejó —cuenta uno de los niños andrajosos que juegan por las pedregosas y solitarias calles del pueblo.

—¿Por qué la abandonaron?

—No han podido llevarla porque es media ciega y sorda —prosigue el niño. Todos se han ido por miedo, después que los *senderos* han matado a las autoridades. Nosotros nos hemos que-

Rutas que emplea S.L. para bajar a la Costa

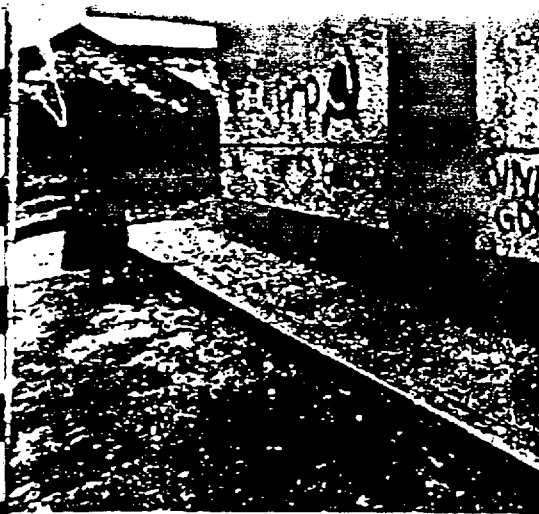


Dic. 16. 91
Huacho: Asesinan al general FAP Julián Olivera — Angeles

Dic. 02. 91
Barranca: Marcha de un centenar de senderistas por el aniversario de la primera escuela militar de SL

Entre Huaral y Huaura, fuerte presencia de las Fuerzas Guerrilleras Populares

Ene. 15. 92
Huaral. Asesinan a un PN.



Pinta subversiva: paisaje común en los pueblos.

o dado porque no tenemos familias fuera.

En efecto, un rápido recorrido por Andajes, pueblo conocido internacionalmente por la fabricación de exquisitos potajes a base de manjar blanco y que tuviera unos dos mil habitantes, se ha convertido en un pueblo fantasma.

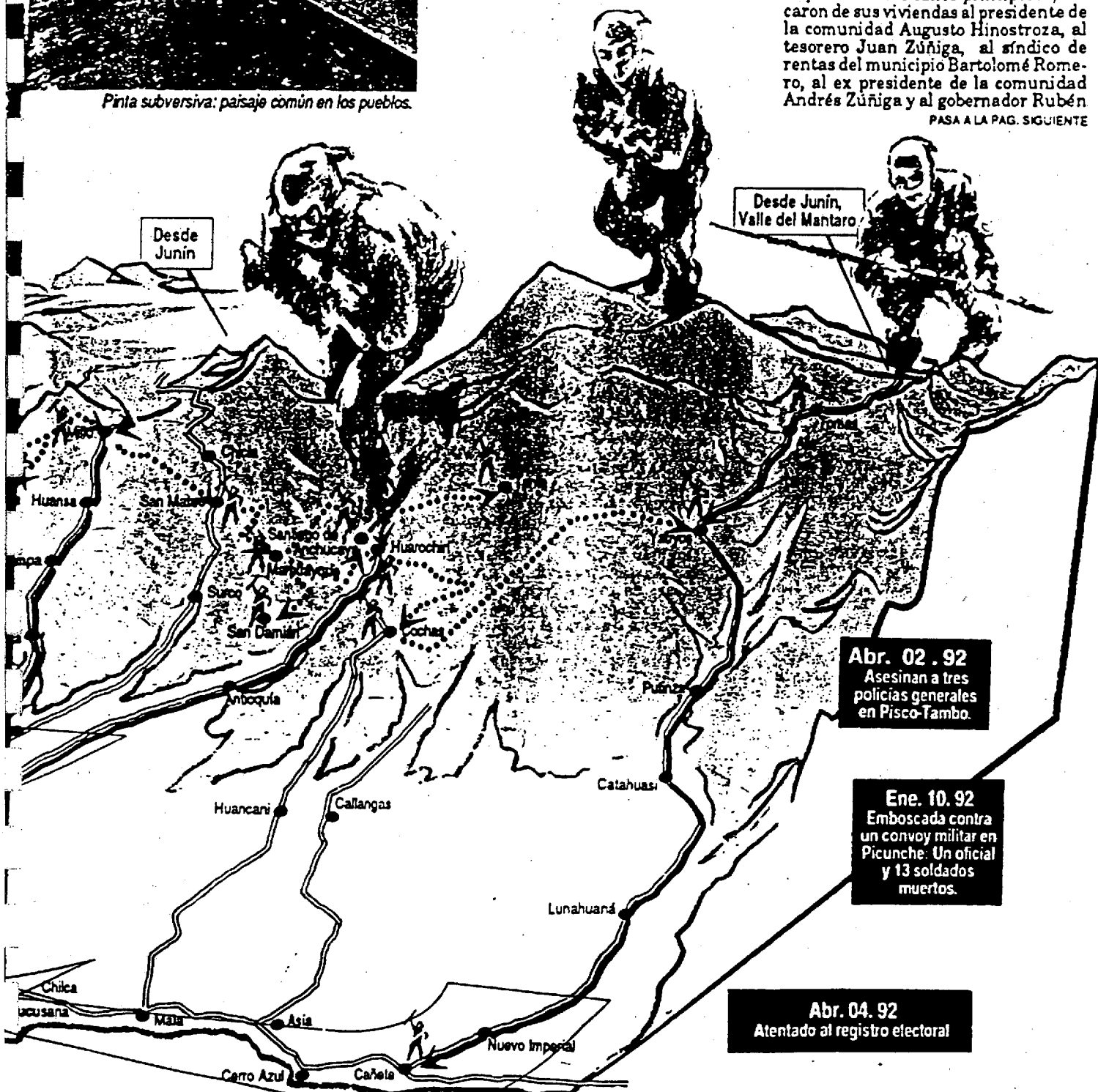
Casi todas las rústicas viviendas de adobe se encuentran cerradas—algunas de ellas pintarrajeadas con lemas subversivos—y los escombros de los locales del municipio y la comunidad son con-

secuencia del paso destructor de la columna senderista que el 7 de marzo último asesinara al gobernador y a cuatro dirigentes comuneros del distrito.

Algunas andajinas consultadas por CARETAS, además de confirmar la versión del niño, cuentan que los terroristas llegaron al pueblo por la noche disfrazados de policías.

Fueron aproximadamente 30 senderistas que incursionaron en el pueblo, quienes luego de apostarse en las esquinas de las calles principales, sacaron de sus viviendas al presidente de la comunidad Augusto Hinostroza, al tesorero Juan Zúñiga, al síndico de rentas del municipio Bartolomé Romero, al ex presidente de la comunidad Andrés Zúñiga y al gobernador Rubén

PASA A LA PAG. SIGUIENTE



Abr. 02 . 92
Asesinan a tres
policías generales
en Pisco-Tambo.

Ene. 10. 92
Emboscada contra
un convoy militar en
Picunche. Un oficial
y 13 soldados
muertos.

Abr. 04. 92
Atentado al registro electoral

Los Autos de los Futuros

Sin los productos químicos, los narcos no p...

Trujillo, Chiclayo, Tingo
María, Pucallpa,
Huánuco, Puno y Ayacucho son las ciudades
a donde van los
componentes químicos.
En todas esas
zonas funcionan labora-
torios clandestinos
de producción de pasta
básica de cocaína,
pasta lavada y clorhidra-
to de cocaína.

**Las compañías
que producen
los insumos
están siendo
controladas por**

La Policía tiene en la actualidad veinte insumos controlados. Estos son:

Dirección de Investigación del Tráfico
 ilo de Drogas de la Policía Nacional se
 dedicado durante estos últimos tiempos
 apurar a los proveedores de productos
 micos para la elaboración de la PBC y el
 hidrato de cocaína, en lo que va del año
 detenido a 196 personas que de un modo
 uto han tenido que verse con el asunto. Asimismo,
 va a realizar un riguroso control de las compañías
 e producen ácido clorhídrico, ácido sulfúrico, carbonato
 sodio, amoníaco, acetona, hidróxido de amonio, soda
 sónica y otros componentes que se precisan para
 tener droga de alta calidad. La vigilancia se realizará
 las gamas de control de salidas de Lima que van al norte,
 sur y al centro del país, en especial la ruta al
 tamiento de Iquitos. Pero uno de los problemas
 e afronta la policía es la casi imposibilidad de vigilar
 espacio aéreo, debido a la carencia de equipos adecuados
 la lucha contra el narcotráfico.

En las encuestas, las empresas camuflan los productos químicos

**En los camiones
de carga
también se
llevan insumos.**

Por vía aérea
marcotraficantes
en avionetas
traen la materia
prima.

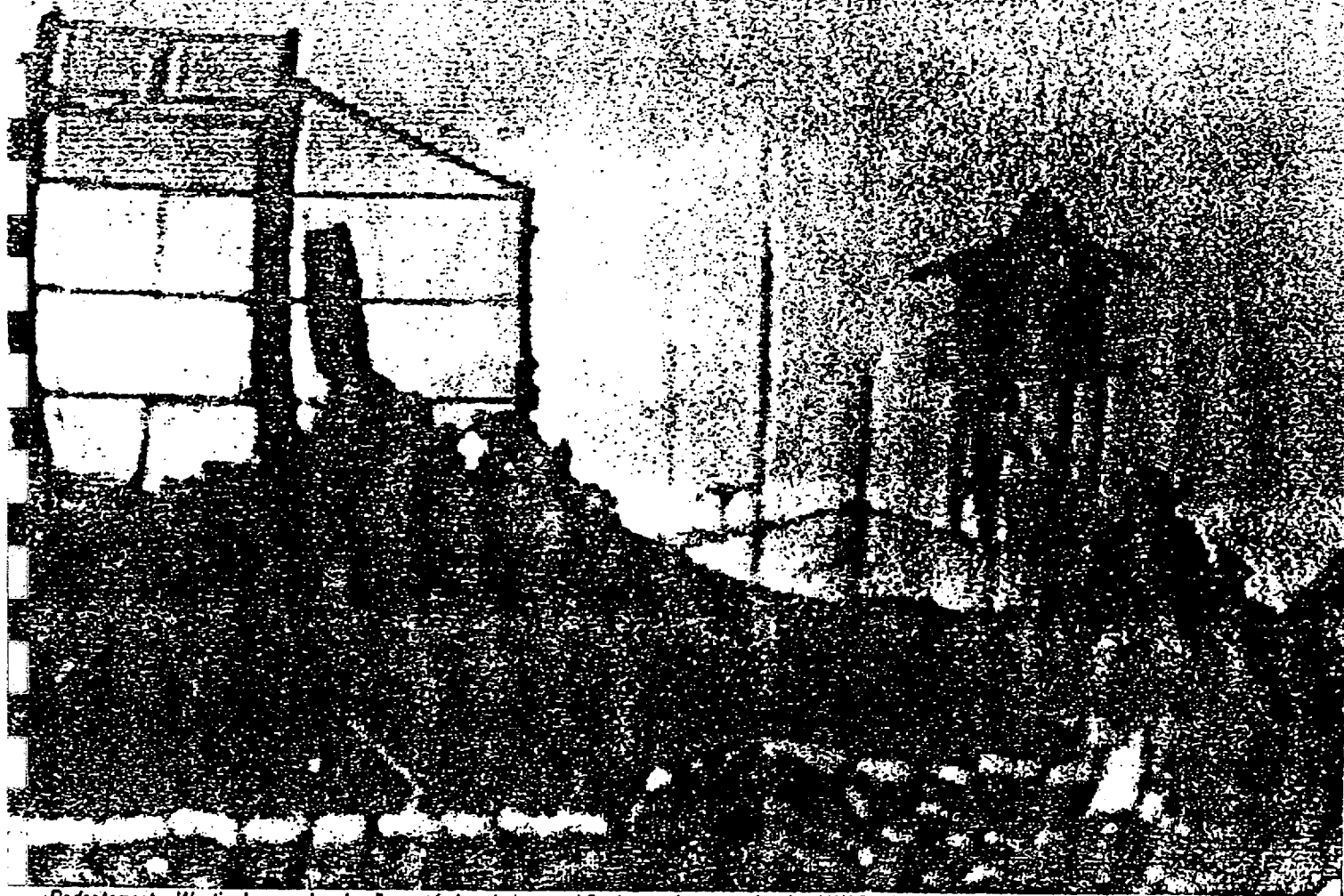
Zonas Productoras

Solo Project:

CAKILTAŞI SETİ: MİRE 30, 1991

CARETAS/ SETTEMBRE 30, 1991

No. de Il. 1

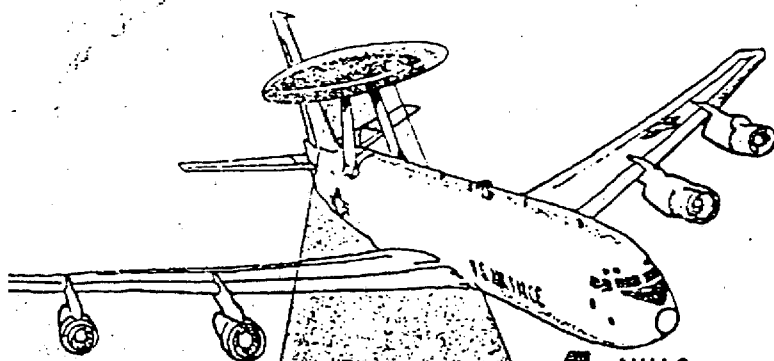


Radar terrestre Westinghouse: dos de ellos están instalados en el Perú, complementando a los AWAC y Orion cuando éstos no vuelan.

La semisecreta operación internacional que moviliza radares de aire y de tierra, guiando aviones de caza tras las elusivas avionetas del narcotráfico.

El Cazador y las Libélulas





1 AWAC
(Sistema de
Control y Alerta
Aerotransportado)
Boeing E-3A
volando a 40 mil
pies de altura.

Orión PC3
Avión
cuatrimotor a
turbohélice
volando entre 8
y 10 mil pies.

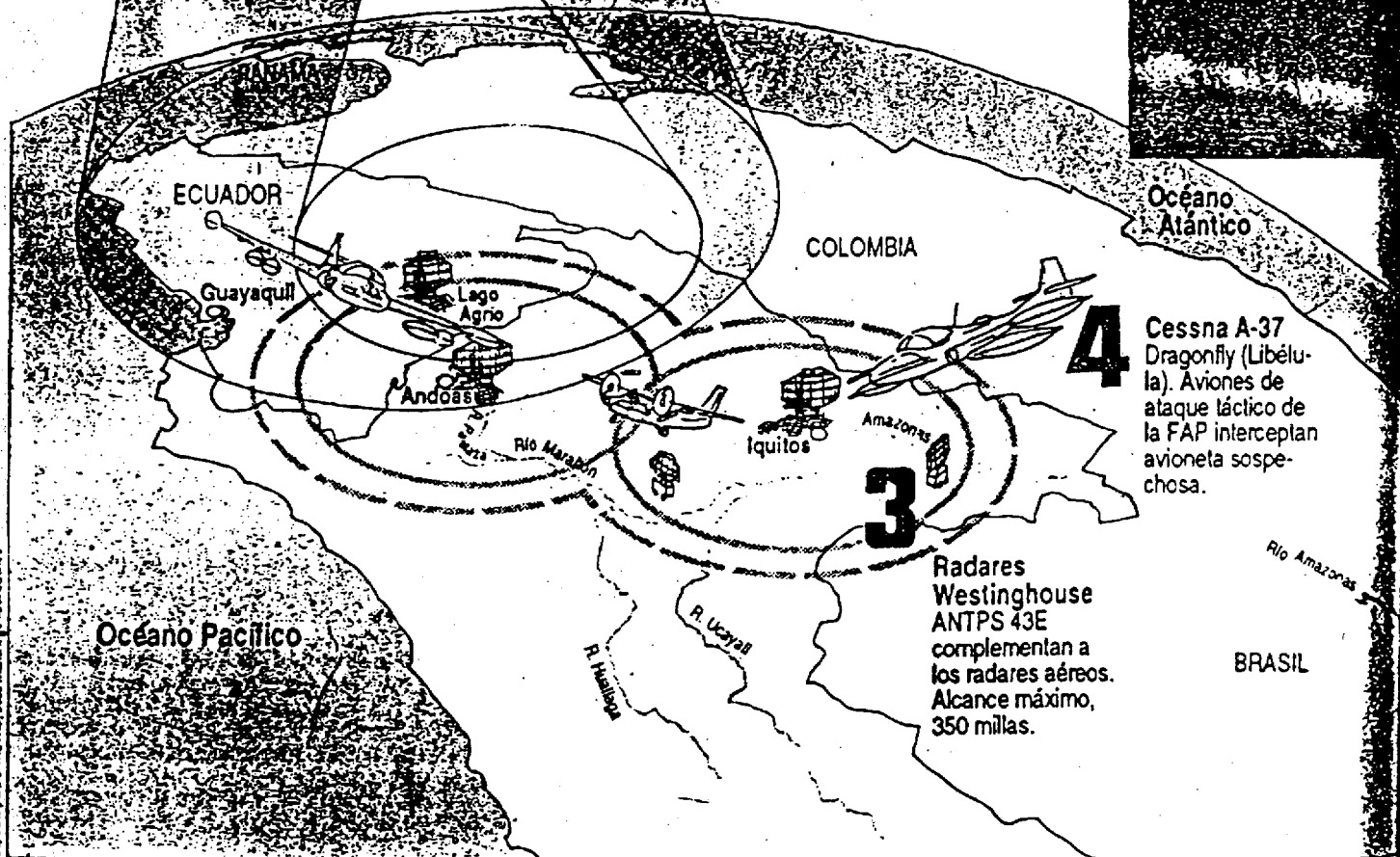
2



Desde diciembre del año pasado, una operación aérea multinacional intenta cortar las rutas aéreas del narcotráfico sobre la amazonia peruana. De las largas horas de patrullaje aéreo y los cortos minutos de súbito drama sobre el cielo de la selva, los detalles, alcances y resultados de una de las operaciones más ambiciosas de la guerra contra las drogas. Ejecutada sobre el trasfondo de la creciente tirantez y desencanto recíproco entre Estados Unidos y Perú, que sucede a la Cumbre Antidrogas de San Antonio.

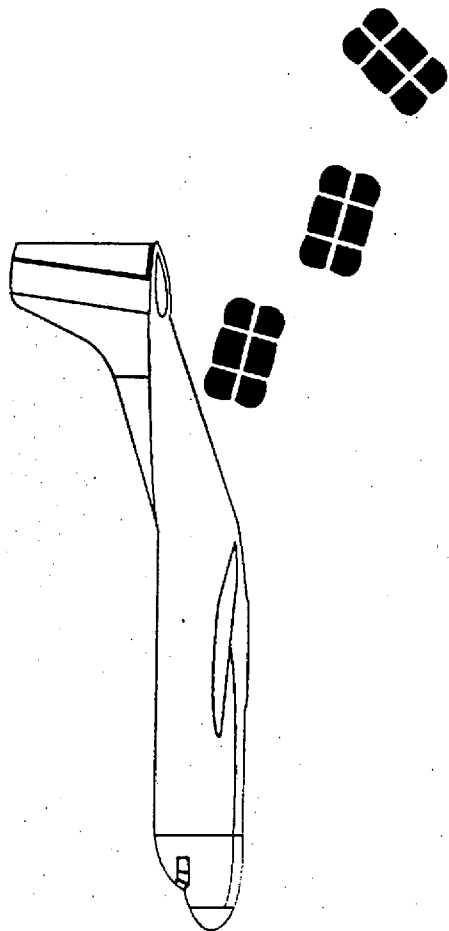
Escribe
**GUSTAVO
GORRITI**

Un AWAC que despegue de Panamá guía al Orión que parte de Guayaquil y éste orienta a las "Libélulas" peruanas.



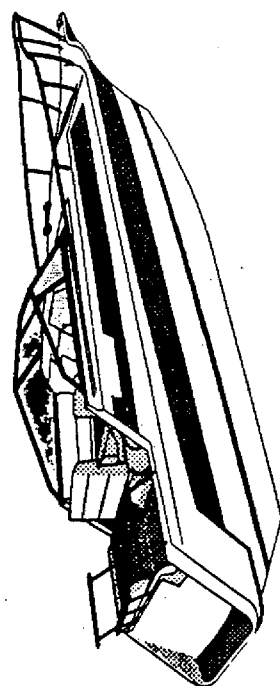
4 Cessna A-37
Dragonfly (Libélula). Aviones de
ataque táctico de
la FAP interceptan
avioneta sospe-
chosa.

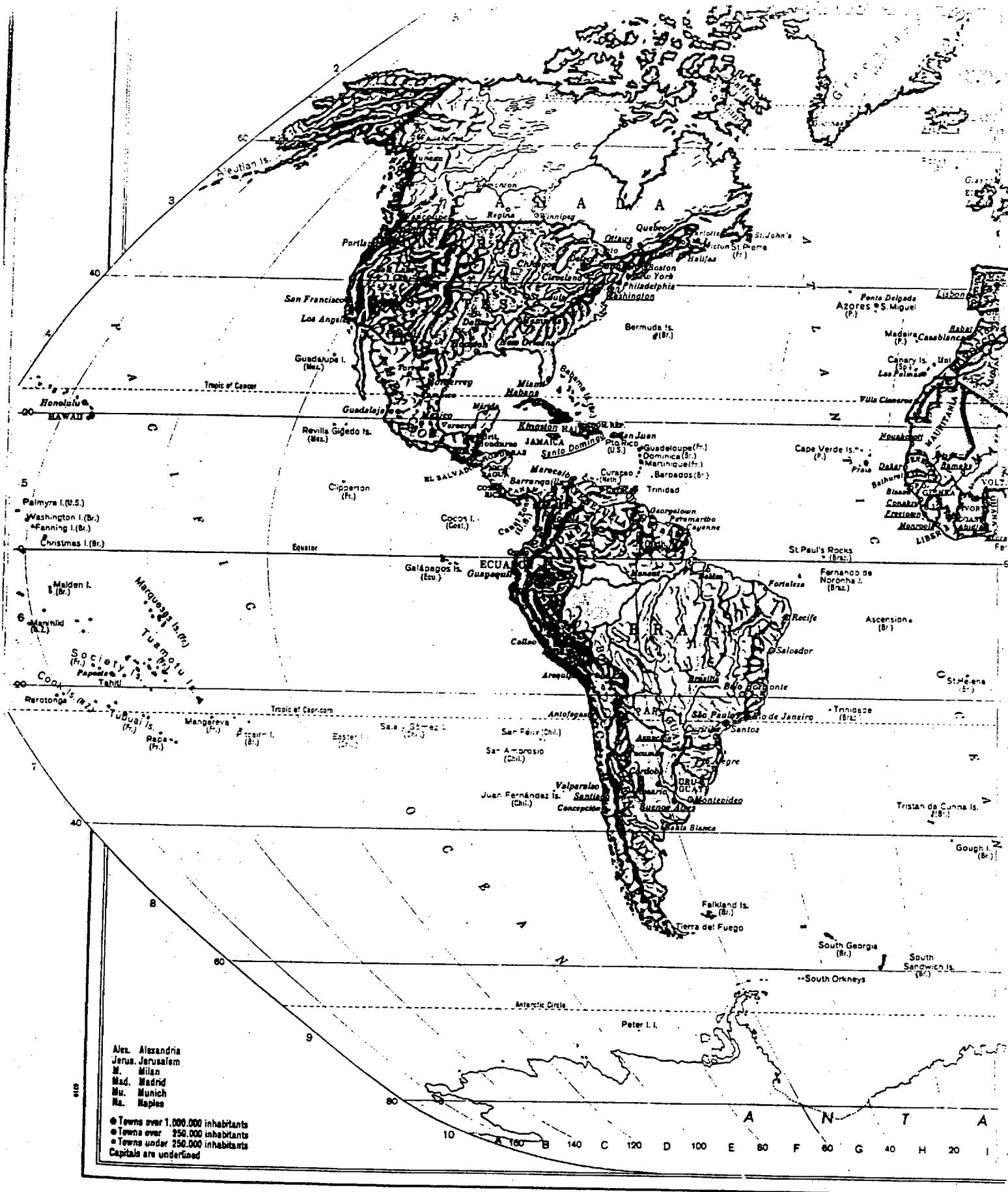
3 Radares
Westinghouse
ANTPS 43E
complementan a
los radares aéreos.
Alcance máximo,
350 millas.



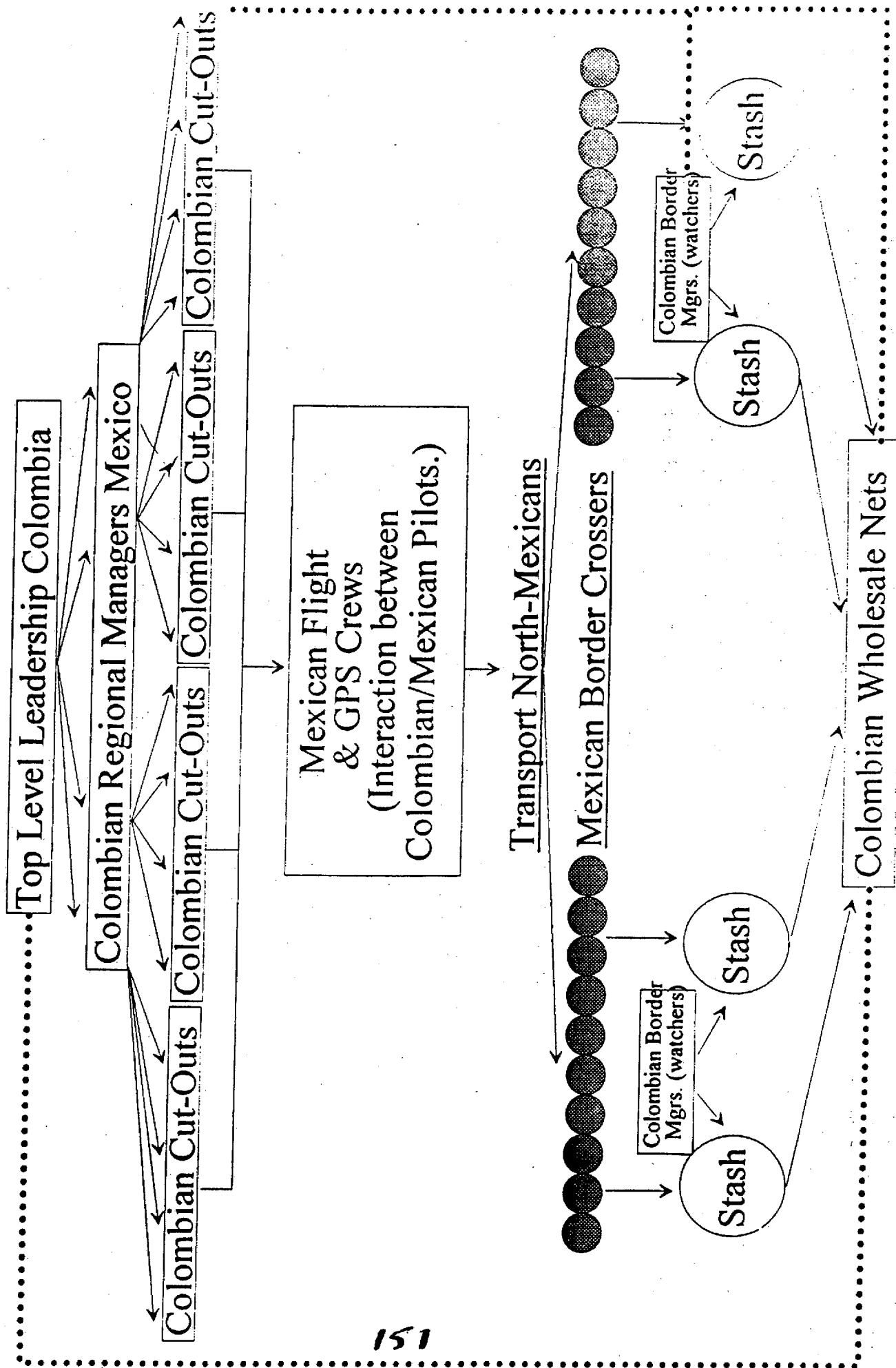
TRANSHIPMENT

OSINT Product Examples





A Typical Colombian/Mexican Drug Organizational Structure



Levels and Forms of Drug Trafficking Organizations In Mexico

Level I:

National Level
Internationally Connected Multi-Organizationally
Linked Traffickers

(ex. Felix Gallardo)
(Rafael Munoz Tellez)

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Protection: From Highest Level Down

Level II:

Interstate Level, Regional Traffickers

(ex. Rafael Aguilar)

Protection: Federales, Judiciales Militar, Aduana
Zone Commanders, middle levels, with connections up.

Well Connected
State/National
Politics
"Upperworld"

Tend to be
outside
legitimate
political
upperworld

Level III:

Intra-State...Regional Traffickers
Ex-Contrabandistas...Bandidos...Police...Gang Jefes

(ex. Pablo Acosta)

Protection: State and Local Officials, Some Federales

Level IV:

Village-Town Level Dealers...Dealer Traffickers
Bodyguard Dealers, Ambitious Underlings

Protection: Municipal Police Locally Assigned State/Highway Police

Level V:

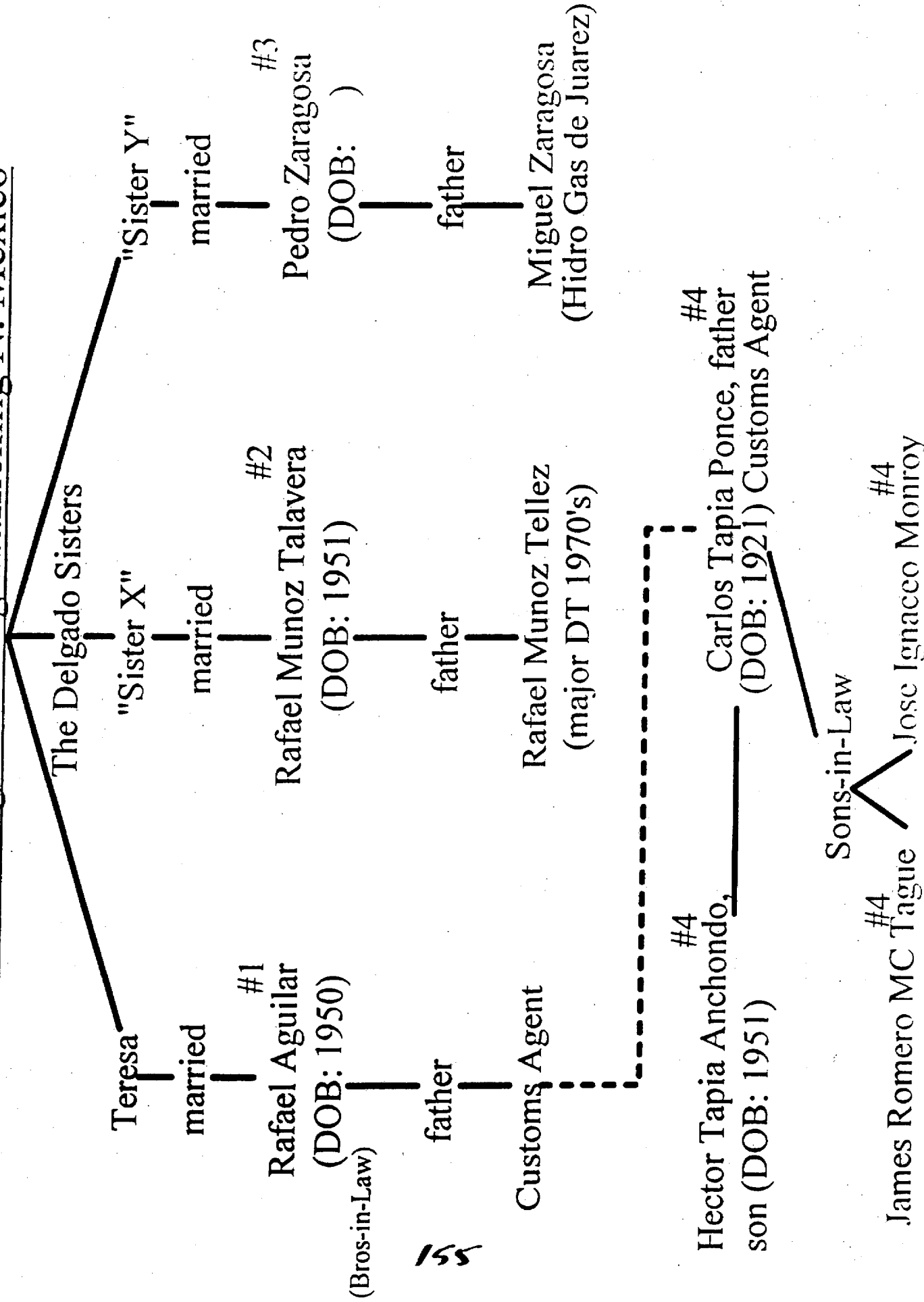
Drones, Mules, Transporters, User-Dealer Traffickers

Protection: Paid on the spot. Municipal/Highway Police Low Ranking

Familial Linkages in Drug Trafficking N. Mexico

- #1 Ex DFS Commandant, partner in Bufalo with Caro Quintero, alleged associate of Gilberto Ontiveros. Considered major Chihuahua drug trafficker. Has large land-holdings around Ascension, and believed linked to Sandoval brothers of Palomas and Nuevas Casas Grandes. Currently living in Torreon Mexico.
- #2 Considered owner of 77 tons of cocaine moved through Juarez, El Paso, to California.
- #3 3.85 tons of cocaine found in propane tank truck in San Diego owned by father's company. (Oct.5, 1990.)
- #4 Family of drug traffickers charged with getting Munoz-Talavera's loads into U.S. and to California. Of Note: theses loads contained shipments from both the Medellin and Cali cartels.

Familial Linkages in Drug Trafficking N. Mexico



Known Drug Aircraft Events in Mexico February 1991 Thru August 1992

By Area of Country

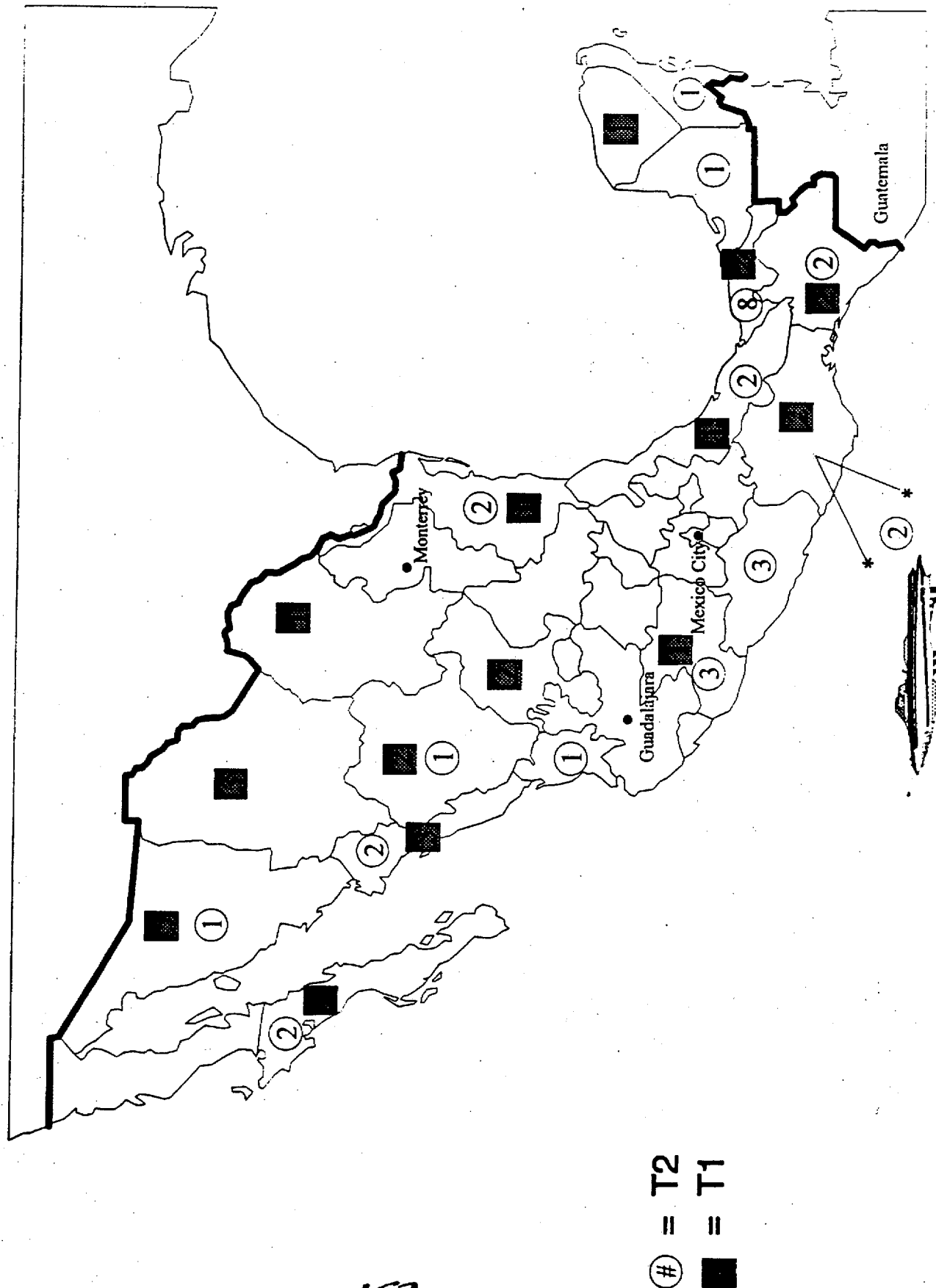
Time Period: February 22 to December 31, 1991				
Area of Mexico → North	Central	South		
N %	N %	N %		
16 59	2 7	9 33	N=27	

156

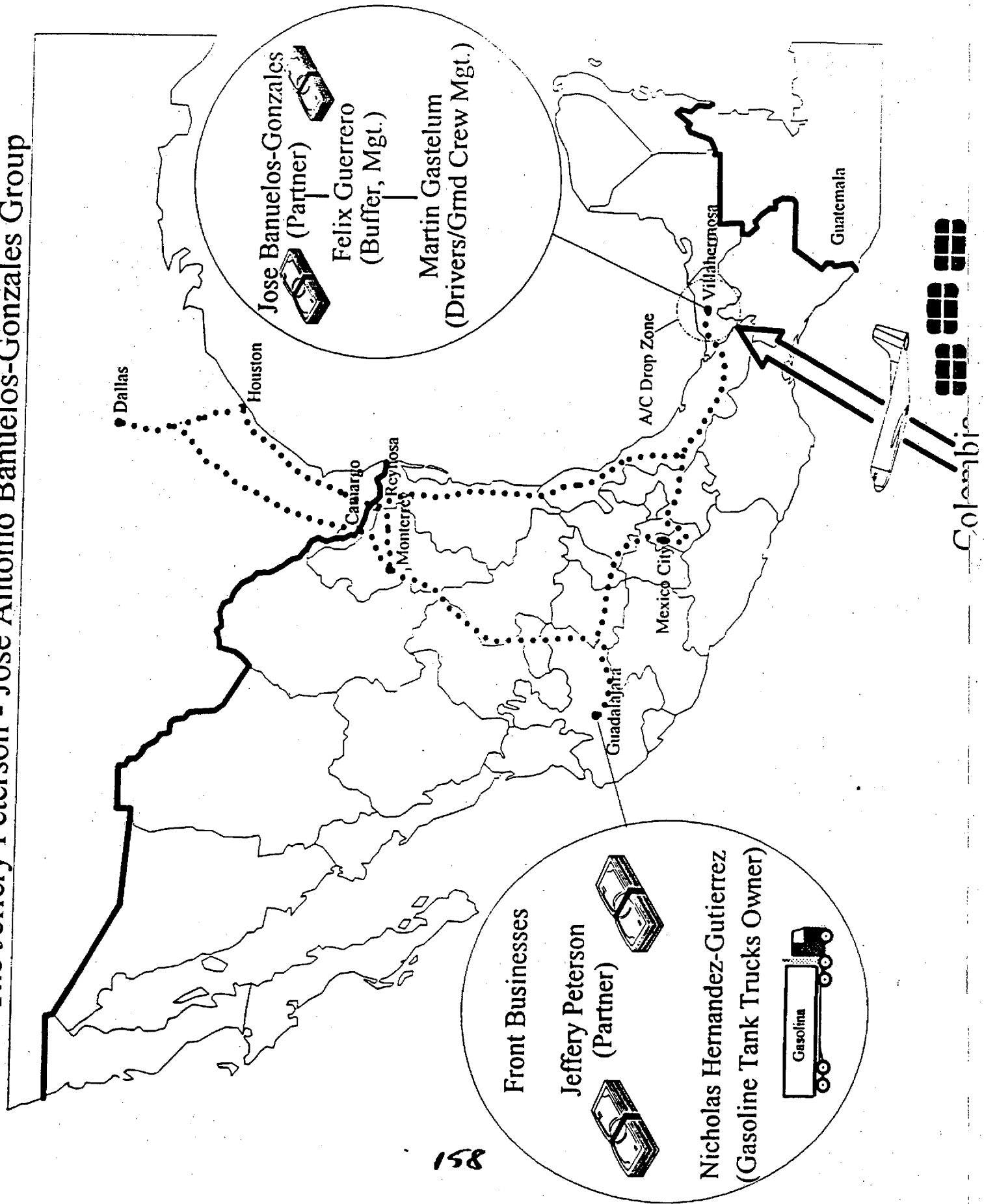
Time Period January 1 to August 25, 1992				
Area of Mexico → North	Central	South		
N %	N %	N %		
7 23	2 6	22 71	N=31	

The shift from North to South appears due to the introduction of a technological innovation by the narcos. (Global Positioning Systems - GPS) and resultant "mattressing of loads".
 Source: Excelsior.

Known Drug Aircraft Events in Mexico February 1991 Thru August 1992 By State



The Jeffery Peterson - Jose Antonio Banuelos-Gonzales Group



Summary

OSINT - Key Ingredients

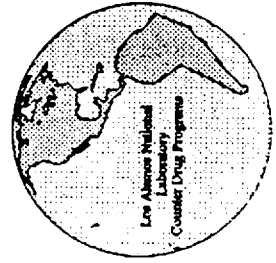


- 1- People - OSINT like all the "INT's" is a property of the mind.
- 2- Search strategies:
Multidisciplinary approach which ensures depth, breadth, and balance.
- 3- Simple, sophisticated method for indexing and retrieving information from databases.
- 4- Communication(s) method to convey OSINT
- 5- Acceptance of OSINT by policy, strategic, tactical, political communities.

Summary

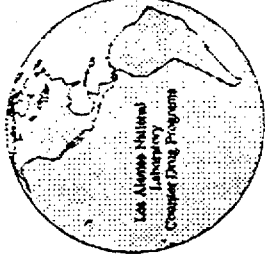
Why is OSINT important?

- 1- Provides a rich multifaceted "look" at selected issues
- 2- Provides a studied focus for decision making at policy, strategic, and tactical levels.
- 3- Provides a "Reality" check on both issues and classified intelligence.
- 4- It is information/ intelligence that can be used at all levels.



OSINT: Questions & Issues

- 1- Availability of Sources
- 2- Collection Timeliness
- 3- OSINT Production Time Frame
- 4- Info. Indexing and Retrieval.
- 5- Composition of OSINT Team
- 6- Could Quantifiable Info. be Produced to Support Modeling?
- 7- What Realm OSINT- Strategic, Operational, Tactical?
- 8- Sources and Citations.
- 9- Acceptability of OSINT Product Customer & Intelligence Community
- 10- Measures of Effectiveness
- 11- Would OSINT Assist In Sharing the Secrets?

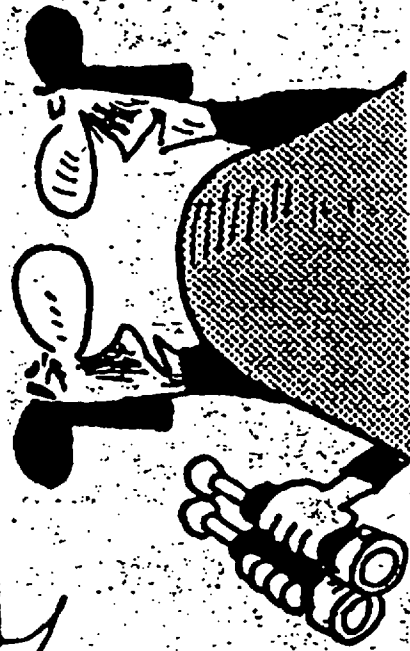


YOU'VE SPIED ON CROCK
ALL DAY. NOW IT'S MY
TURN



WHAT CLEARANCE
DO YOU HAVE FOR
HIGHLY CLASSIFIED
ESPIONAGE WORK?

MOM SAID
IT WAS
MY TURN



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[Previous](#) [OSS '92 Winn Schwartau, An Introduction to Information Warfare,](#)

[Next](#) [OSS '92 Herbert E. Meyer, former Special Assistant to William Casey, founder and author of Real-World Intelligence, Introduction to Business Intelligence at the Cutting Edge: How Multinational Corporations Have Jumped Ahead with Open Source In](#)

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