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THE KEYWORD OPTION IN THE ANALYTIC
EARLY WARNING AND MONITORING SYSTEM

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by

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and

Gerald W. Hopple

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EARLY WARNING AND MONITORING PROJECT

Research Memorandum 79-1-61

September, 1979

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THE KEYWORD OPTION IN THE ANALYTIC
EARLY WARNING AND MONITORING SYSTEM*

The Early Warning and Monitoring System (EWAMS) now consists of three modules:

- The country-level indicator CAP (Country Activity Profile), the basis for a country scanning option which will be refined and expanded in the future;
- Analytic Indications and Warning (I&W); and
- Automated I&W

Those familiar with the system are aware that the analytic EWAMS provides to the user four basic options: tables; graphs; text; and keyword.¹ Extensive research and testing based on tabular, graphical, and textual output have been reported in previous research memoranda, technical reports, and sample output packages. The purpose of this memorandum is to highlight and illustrate the utility of the previously "neglected" keyword feature. Keyword is useful both as a "standalone" option (i.e., independently of the other analytic options) and as an adjunct or supplement to the text, plots, and tabular options. This memorandum discusses the function of keyword, provides an overview of its uses, and presents sample output for a variety of actors and contexts.

Keyword and Information Retrieval

Early accounts of keyword approaches to processing textual information in quantitative political research (e.g., Janda, 1969) assumed that

*We would like to thank Brenda Bell for her earlier comments and John Kwon for his helpful research assistance. Thanks also to Jean Nieroski for typing the memorandum.

¹The change (input parameters) option is also available.



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keyword computer programs were useful for information retrieval purposes. However, the focus was narrow in the sense that envisioned applications revolved around automatic (keyword) indexing of bibliographic material and similar research-aiding functions. As Janda (1969: 198) noted, such indexes are easily and inexpensively generated, easily updated, and convenient to use.

The use of the keyword technique for actual research (i.e., as a methodology for generating data bases to analyze) is a second and equally fundamental application. The well known General Inquirer program for content analysis (see Stone et al., 1966) exemplifies this thrust. The latter program constituted the basis for the Stanford Studies in Conflict and Integration Project, a massive effort which entailed the content analysis of historical documents from the prewar crisis of 1914 (see, e.g., Holsti, 1972).

One of the primary sources of political data, in fact, is the public (and--when available--private) statements of political elites. Many of the items in the EWAMS data base--WEIS or the World Event Interaction Survey--are such public utterances (comments, threats, accusations, etc.). The WEIS data bifurcate into verbal and physical behavior; both forms can be content analyzed in terms of issues, themes, actors, and other potential units of analysis.

The keyword option is designed to perform keyword-based content analyses of the WEIS/EWAMS data. As has been emphasized in earlier EWAMS reports, the Early Warning and Monitoring System features three basic functions: information retrieval; international relations tracking or monitoring; and crisis and conflict warning. Keyword is especially relevant to the information retrieval dimension.

The keyword option reflects the progress that has occurred in the computer technology for processing textual information. In his discussion, Janda (1969: 193) described the process as follows:

The computer decides what constitutes a keyword in one of two ways. It can be instructed either to refer to a list of keywords prepared in advance by the researcher, or to a list of words that are not to be considered keywords. In the first case, the computer looks at every word contained in the title of the publication and compares it with its own stored list of keywords. . . . The process operates in a comparable way when a list of non-keywords is used: the computer includes the word in the index only when the word does not appear in the list. [Emphases in the original.]

In EWAMS, the keyword search procedure is structurally more simple and considerably more flexible in terms of user interests and needs: any word or phrase may be input as a keyword (or set of keywords). The user may also specify or as well as and relationships (e.g., keyword X or keyword Y; keywords X and Y).

Uses of the Keyword Option

The keyword option has two fundamental uses: basic and applied research. In terms of basic inquiry, the keyword capability permits quantitative content analysis via keyword-based searches of the WEIS data base of EWAMS. For example, if a basic researcher were interested in the dynamics and trends which have characterized the human rights issue area from 1966 on for theoretical reasons, it would be easy to generate all WEIS events which refer to human rights. This could be done for given sets of countries or regions, for a single country (through an actor X-World run), or for the entire world for a given time frame (through a World-World run in the JCS regions option).

Another example is the possibility of conducting keyword searches for the appearance of decision-maker values. Hopple (1980), using Foreign Broadcast Information Service (FBIS) speeches by and

interviews of heads of state and foreign ministers in almost 40 countries, reports findings regarding the incidence and impact on foreign behavior of 18 terminal values (freedom, equality, national security, etc.). The keyword option in the analytic EWAMS affords researchers the capability of conducting inexpensive, efficient, and (relatively) rapid computerized searches for any such set of terms.

For the intelligence analyst, keyword is also extremely useful. The quantitative information in the EWAMS is displayed in tabular and graphic forms; a variety of indicators are reported and can be analyzed. EWAMS also contains a wealth of qualitative information, which can be accessed and studied via the text and/or keyword options.

A specific example is the capability of tracking a particular issue or personality across time. The user tasked with sub-Saharan Africa may wish to see how often and in what contexts the terms guerrilla, sanctions, and apartheid explicitly appeared in textual items involving such actors as South Africa, Rhodesia, Britain or the U.S. (vis-a-vis one of the above), and/or one or more of the "front-line" states (e.g., Angola, Zambia, Mozambique) or relevant subnational or liberation actors (Zimbabwe, SWAPO, etc.) in relation to the white-ruled powers of southern Africa. An analyst interested in Cuban involvement in the Third World could construct a Special Purpose Region (e.g., Ethiopia, Angola, etc.) consisting of nations to which Cuba has sent arms or troops and retrieve all items of a certain nature involving Cuba and the SPR. These are just two of many conceivable close keyword searches for the retrieval of information regarding issues, actors, or personalities across time.

A second illustration is the possible use of the keyword option for retrieving current and recent textual items without having to look at all of the text. At the end of the month, for example, a user could enter relevant keywords and thereby narrow the output to only those subjects of direct interest.²

²This is also a useful way for determining if any events of that nature even occurred during the time period of interest.

A third way to use keyword is as a supplement to historical searches. Historical search, a feature of automated I&W, permits a user to obtain indicator readings for any country pair or set of regions in the world. As a concrete illustration, suppose an analyst conducts a search for the Western Europe and Mediterranean (WEM) JCS region and Eastern Europe and the Soviet Union (ESU) for the year 1968, using the total activity indicator and a fairly high threshold. If it is discovered that the indicator crossed the latter for many months, the user could determine the extent to which the USSR-Czechoslovakia crisis and invasion accounted for this by doing a keyword search for Czechoslovakia.

A fourth illustration of the utility of the keyword option concerns in-depth case studies of a particular country, country pair, or region. The various options in the analytic and automated EWAMS yield complementary sets of information. As noted, tabular and graphical output reports quantitative information, as do the major components of automated I&W (conflict hotspots lists, monitoring and crisis warning alerts, and historical searches). The textual and keyword options, in contrast, supplement and qualitatively illuminate the data and indicator readings. For detailed analyses of a country pair retrospectively or in a real-time mode, users will probably find it advisable to utilize all of the analytic and automated options.

Keyword searches can be pertinent to background or "basic" intelligence research (i.e., research on relatively static or unchanging situations) as well as to current intelligence analysis or "I&W" (which focuses on the next 24-48 hours). The applications of keyword to the background operational environment research context is well illustrated by the examples discussed above and by the sample output in the following section. Current intelligence needs are obviously facilitated since EWAMS has become real-time (or very near to real-time) in nature; an analyst interested in a particular keyword search can now access the New York Times (NYT) data base in EWAMS for a period of within 24 to 48 hours of the current date and look at extremely recent

textual output. With the transfer of the NYT data collection operation from the West Coast to IPPRC, the NYT data should become genuinely real-time in nature.³

Sample Output

The user conducts keyword searches by simply selecting the keyword option from the basic menu in analytic EWAMS (after processing has been completed). The WEIS event type list is then displayed, showing the 22 discrete cooperative and conflict categories. The user may select all or some types (i.e., all cooperative events, all conflictual events, all events, or a combination) or he may press RETURN for help. The help routine specifies the rules for keyword searches. The keyword expression is then entered and dates are specified.⁴

After processing, the actual text items which contain the user's keyword(s) are displayed. It should be noted that processing time can be reduced or minimized by selecting a subset of the 22 event/interaction categories. This is why the list of the 22 appears and the user is offered the option. A user who wants to look at all categories for a given country pair and keyword expression may of course select "all events."

Keyword expressions may consist of single words (e.g., MISSILE) or phrases (e.g., ARMS CONTROL). If there is more than one word or phrase, they must be linked by commas (,) or ampersands (&). Commas are treated as "or" connectors; the expressions SALT, ARMS CONTROL would instruct

³Unfortunately, this is not feasible with the Manchester Guardian (MAG) source; the time lag will, however, be reduced to the minimum.

⁴The specification of time parameters may seem superfluous, since the user has already identified the input parameters (before processing). However, this allows the user to specify a more delimited time period; for certain keywords, output for a long time period would be voluminous. The other parameters (actor, flow, time increment, source) remain the same as the ones which were entered at the initial parameter specification stage.

the system to retrieve text containing one or the other term. Ampersands are treated as "and" connectors; the expression NKOMO & MUZOREWA would lead to the retrieval of only those text items containing both keywords.

Several caveats should be noted. First, the keyword expression (including connectors) cannot exceed 40 characters in length. Secondly, the keyword routine searches for only the actual expression; in many cases, it is advisable to input the singular or plural forms of a term (e.g., guerilla, guerillas). Thirdly, the user should familiarize himself with the idiosyncracies of WEIS textual conventions. For example, country names in textual items are often referred to by their three-letter WEIS code (e.g., CZE for Czechoslovakia); certain standard abbreviations are often employed (e.g., DM for Defense Minister, DOS for Department of State, etc.). A user who wants to conduct a keyword search involving country names or commonly abbreviated terms should enter both the full name and the abbreviated version.

Sample output for the keyword option comprises the remainder of this memorandum. In case I, which illustrates the option per se, the user initially selects crisis (analytical I&W) and in this particular case selects MAG (Manchester Guardian).⁵ Then the actor type is selected (a country and a region, in this instance) and the regional options are displayed. The user chooses Rhodesia (rho) and the World (wor) at the input parameter stage and requests monthly data, a two-way flow, and the time frame 781231-790831. After processing, the number of events display, and probabilities, the user asks for the keyword option and the event type list is then automatically shown. The help routine (optional) describes keyword and the user then inputs the expression and desired dates. After processing and processing completed, the actual keyword-based output appears. At the end of that, the user is

⁵It should be noted that certain final changes are being planned for keyword; these, however, will be minor in nature.

given the opportunity of conducting another search if he so desires. In this particular instance, he responds "no," is automatically returned to the analytic menu, and selects end.

Case II below illustrates a keyword analysis for Vietnam and the World for the phrases refugee or refugees or boat people for the period 790101-790831. In case III, all events are retrieved for Rhodesia and Zimbabwe (two-way flow, 780101-781231) for the keyword names Muzorewa or Nkomo. The expressions guerilla or guerillas, or terrorist or terrorists, comprise Case IV for the PLO and the World (two-way flow, 790101-790831). For Case V--the keyword apartheid and South Africa to the World (two-way flow, 660101-661231)--no events were found. Case VI presents all of the text items in the data base for sanction or sanctions for Rhodesia and the World (two-way flow, 660101-721231).

CASE I

EARLY WARNING AND MONITORING SYSTEM

*** MASTER MENU ***

crisis - (analytical I&W)
auto - (automated I&W)
cap - (country activity profile)
end - (terminate execution)

Type option after (%) for execution.

% crisis

% end

Specify data source to be used:

1. New York Times (650101 to present)
2. Manchester Guardian (781032 to present) 2

*** EARLY WARNING AND MONITORING SYSTEM ACTIVATED ***

Are your actors:

1. Countries
2. JCS regions
3. Both 3

*** REGIONAL OPTIONS ***

JCS REGIONS

1. North America (NAM)
2. Central and South America (CSA)
3. Western Europe—Mediterranean Atlantic (WEM)
4. Eastern Europe—Soviet Union (ESU)
5. Middle East and North Africa (MEA)
6. East Asia and Pacific (EAP)
7. South Asia and Sub-Saharan Africa (SAS)
8. World (WOR)
9. Special Purpose Regions (SP1 and SP2)

Do you want a list of actors in a region(y/n)?y

*** REGIONAL OPTIONS ***

JCS REGIONS

1. North America (NAM)
2. Central and South America (CSA)
3. Western Europe—Mediterranean Atlantic (WEM)
4. Eastern Europe—Soviet Union (ESU)
5. Middle East and North Africa (MEA)
6. East Asia and Pacific (EAP)
7. South Asia and Sub-Saharan Africa (SAS)
8. World (WOR)
9. Special Purpose Regions (SP1 and SP2)

Select a country and a region(usa,mea): rho,wor

Specify activity flow:

0. one way (rho >>> wor)
1. one way (rho <<< wor)
2. two way (rho <-> wor) 2

Select time increment:

1. daily
2. weekly
3. monthly
4. quarterly
5. yearly 3

Set time parameters(750101-771231): 781231-790331

Do you wish to use special purpose indicators?(y/n): n

PROCESSING

PROCESSING
COMPLETED

Number of events found: 172

Do you desire 30 day probabilistic forecasts(y/n): y

Monthly Probability Source: MAG
781231 - 790331

*** rho <<<>> wov ***

Date	Probability
793102	.10
792201	.23
790301	.18
790402	.18
790501	.10
790601	.23
790702	.10
790801	.18

Press RETURN to continue:

SYSTEM OPTIONS :

tables - (tabular output)
plots - (graphical output)
text - (textual output)
change - (change input parameters)
keyword - (text by keyword)
menu - (return to master menu)

Type option after (%) for execution.

% keyword

***** Event Types *****

Cooperative Events:

01 Yield (YLD)	06 Grant (GRNT)
02 Comment (CMT)	07 Reward (REWD)
03 Consult (CNSL)	08 Agree (AGRE)
04 Approve (APPR)	09 Request (RQST)
05 Promise (PRMS)	10 Propose (PROP)

Conflictual Events:

11 Reject (RJCT)	17 Threat (THRT)
12 Accuse (ACUS)	18 Demonstrate (DEMO)
13 Protest (PROT)	19 Reduce (RDUC)
14 Deny (DENY)	20 Expel (EXPL)
15 Demand (DMND)	21 Seize (SEIZ)
16 Warn (WRN)	22 Force (FROE)

Please Specify Event Types:

1. All cooperative events
2. All conflictual events
3. All events
4. Combination 3

Enter Keyword expression or press RETURN for help:

***** User Rules for Keyword Search *****

1. Keyword expressions can be comprised of words, e.g., MILITARY or phrases, e.g., ARMS CONTROL.
2. Several words or phrases in a single keyword expression must be linked by commas (,) or ampersands(&).
3. Commas are treated as "or" connectors. If the user entered the keyword expression MILITARY, ARMS CONTROL all text containing either the word MILITARY or the phrase ARMS CONTROL would be retrieved.
4. Ampersands are treated as "and" connectors. If the user entered the keyword expression MILITARY&ARMS CONTROL all text containing both the word MILITARY and the phrase ARMS CONTROL would be retrieved.
5. If commas and ampersands are entered in a single keyword expression, parentheses must be used as separators. Valid keyword expression: PLO, (TERRORIST&UNITED STATES). Invalid keyword expression: PLO, TERRORIST&UNITED STATES.
6. The keyword expression, including connectors, cannot exceed 40 characters in length.

Enter Keyword expression or press RETURN for help:
sanction,sanctions

Specify dates (669101-669439): 781231-790331

PROCESSING

PROCESSING
COMPLETED

Press RETURN to continue

*****TEXT*****
actors rho,wor
flow rho <<< two-way flow >>> wor
time parameters. . . . 781231-790931
event types. all events
keyword expression . . SANCTION,SANCTIONS

790501399122552 30
uno,rho the un security council declares the internal
elections in rhodesia to be null and void and says that
un members should strictly observe economic sanctions
imposed on the country.

790614 2141552 30
usa,rho us s t vance denies that the us has received any
formal threat from nigeria to cut off oil supplies if
sanctions on rhodesia are lifted.

790703000 25552 30
unk,rho uk pm thatcher forecasts that economic sanctions
against rhodesia will not be renewed in november.

Do you want to perform another keyword search(y/n)?

SYSTEM OPTIONS :

- tables - (tabular output)
- plots - (graphical output)
- text - (textual output)
- change - (change input parameters)
- keyword - (text by keyword)
- menu - (return to master menu)

Type option after (%) for execution.

% menu

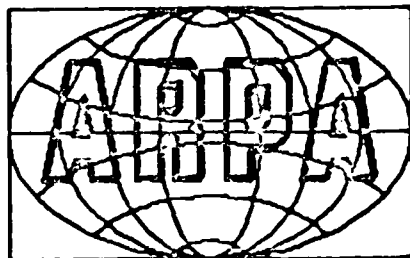
EARLY WARNING AND MONITORING SYSTEM

*** MASTER MENU ***

crisis - (analytical I&W)
auto - (automated I&W)
cap - (country activity profile)
end - (terminate execution)

Type option after (%) for execution.

% end



CASE II

*****TEXT*****

actors vtn,wor
flow vtn <<< two-way flow >>> wor
time parameters. . . . 790101-790831
event types. all events
keyword expression . . REFUGEE, REFUGEES, BOAT PEOPLE

7907022840 94316 @

phi,vtn asean fa's call on vietnam, cambodia, and laos to
establish transit centers under the un high commissioner for
refugees auspices to receive the refugees back.

790702200122316 @

unk,vtn uk pm thatcher strongly attacks the vietnamese
government, describing it as a callous, cold, cruel
dictatorship whose casting of thousands of refugees to sea
is a never-to-be-forgotten example of a communist regime
in action.

790705255191816 @

grea,vtn west germany cancels its plans to give vietnam nearly
25 million pounds in development aid and will donate the
money instead to the care of vietnamese refugees.

790721710121816 @

chn,vtn at the geneva conference on refugees, chinese vice fm
yhang accuses vietnam of "a man-made disaster"
and of "genocide" referring to the boat people.

Page full. . . press RETURN to continue

actors vtn,wor
flow vtn <<< two-way flow >>> wor
time parameters. . . . 790101-790331
event types. all events
keyword expression . . REFUGEE, REFUGEES, BOAT PEOPLE

~~*****~~
790629 20150316 0
can,vtn at the tokyo conference, the us, japan, britain,
france, west germany, italy, and canada call on vietnam to
stop immediately "the disorderly outflow of refugees."

790702050 94316 0
ins,vtn asean fm's call on vietnam, cambodia, and laos to
establish transit centers under the un high commissioner for
refugees auspices to receive the refugees back.

790702050 94316 0
mal,vtn asean fm's call on vietnam, cambodia, and laos to
establish transit centers under the un high commissioner for
refugees auspices to receive the refugees back.

790702050 94316 0
tai,vtn asean fm's call on vietnam, cambodia, and laos to
establish transit centers under the un high commissioner for
refugees auspices to receive the refugees back.

790702050 94316 0
sin,vtn asean fm's call on vietnam, cambodia, and laos to
establish transit centers under the un high commissioner for
refugees auspices to receive the refugees back.

Page full. . . press RETURN to continue

actors vtn,wor
flow vtn <<< two-way flow >>> wor
time parameters. . . . 790101-790331
event types. all events
keyword expression . . REFUGEE, REFUGEES, BOAT PEOPLE

790629740150316 0
jap,vtn at the tokyo conference, the us, japan, britain,
france, west germany, italy, and canada call on vietnam to
stop immediately "the disorderly outflow of refugees."

790629200150316 0
unk,vtn at the tokyo conference, the us, japan, britain,
france, west germany, italy, and canada call on vietnam to
stop immediately "the disorderly outflow of refugees."

790629220150316 0
frn,vtn at the tokyo conference, the us, japan, britain,
france, west germany, italy, and canada call on vietnam to
stop immediately "the disorderly outflow of refugees."

790629255150316 0
gmv,vtn at the tokyo conference, the us, japan, britain,
france, west germany, italy, and canada call on vietnam to
stop immediately "the disorderly outflow of refugees."

790629325150316 0
ita,vtn at the tokyo conference, the us, japan, britain,
france, west germany, italy, and canada call on vietnam to
stop immediately "the disorderly outflow of refugees."

Page full. . . press RETURN to continue

*****TEXT*****

actors vtn,war
flow vtn <<< two-way flow >>> war
time parameters. . . . 790101-790331
event types. all events
keyword expression . . REFUGEE, REFUGEES, BOAT PEOPLE

790522830122816 0

sin,vtn singapore pm lee says that the flood of boat people coming out of vietnam has turned into "a great game between the soviet union and china, with vietnam as the third player at the table."

790528620191816 0

mal,vtn malaysia and indonesia decide not to negotiate with a visiting vietnamese delegation over the indochinese refugee problem.

790528850191816 0

ins,vtn malaysia and indonesia decide not to negotiate with a visiting vietnamese delegation over the indochinese refugee problem.

790529 2150316 0

usa,vtn at the tokyo conference, the us, japan, britain, france, west germany, italy, and canada call on vietnam to stop immediately "the disorderly outflow of refugees."

Page full. . . press RETURN to continue

*****TEXT*****

actors vtn,wor
flow vtn <<< two-way flow >>> wor
time parameters. . . . 790101-790831
event types. all events
keyword expression . . REFUGEE, REFUGEES, BOAT PEOPLE

790605399 81816 0

uno,vtn vietnam and the un high commissioner for refugees
sign an agreement whereby a system of airlifts will be
provided only for those refugees who have been able to secure
a guaranteed place for resettlement in a country of permanent
refuge.

790609399 82816 0

uno,vtn the un high commissioner on refugees and vietnam
announce an agreement on a memorandum of understanding
concerning people who want to leave vietnam.

790616830121816 0

sin,vtn singapore pm lee kuan yo accuses the vietnamese
government of flooding the asean (association of southeast
asian nations) region with refugees who would have the effect
of undermining the stability of the nations in that region.

790620833121816 0

sin,vtn singapore pm lee kuan yew says that vietnam has
deliberately loosened the flood of boat people and other
refugees upon its neighbors in southeast asia to destabilize
them and make them ready for a communist takeover.

Page full. . . press RETURN to continue

COMPLETED

Press RETURN to continue

actors vtn,wor
flow vtn <<< two-way flow >>> wor
time parameters. 790101-790331
event types. all events
keyword expression . . REFUGEE, REFUGEES, BOAT PEOPLE

790105900121816 0
aul,vtn Australia accuses Vietnam of officially sanctioning
the mass exodus of the boat people.

790227840212816 0
phi,vtn philippine government security forces seize boatload
of 72 vietnamese refugees who sailed into a tightly guarded
oil exploration zone off central philippines.

790397399 02816 0
uno vtn vietnam and the un high commissioner for refugees
agree to establish working groups to deal with the
technicalities of implementing the un proposals which
vietnam has accepted in order to reduce the number of
"boat people."

790427399 31816 0
uno,vtn un sg waldheim and vietnamese government leaders
hold talks in hanoi on the situation in indochina and the
plight of indochinese refugees.

790505200 91816 0
unk,vtn the british foreign office summons a senior member of
the vietnamese embassy to discuss the refugee problem.

Page full. . . press RETURN to continue

COMPLETED

Press RETURN to continue

CASE III

actors rho,zim
flow rho <<< two-way flow >>> zim
time parameters. . . . 780101-781231
event types. all events
keyword expression . . MUZOREWA,NKOMO

~~XX~~
781020552223554 30

rho,zim Rhodesia launches an air attack against a transit camp run by Nkomo's Zipra army just 12 miles outside the capital.

781021554 23552 30

zim,rho Zimbabwe's Joshua Nkomo, co-leader of the Patriotic Front, says that yesterday's Rhodesian raid on his camp had ended any chance of settling the conflict through negotiation.

781022552223554 30

rho,zim Rhodesian war planes and helicopter-borne troops again attack bases in Zambia set up by exiled Nationalist Leader, Joshua Nkomo.

781023552121554 30

rho,zim Rhodesia claims that as many as 1500 guerillas had been killed in air and ground attacks on 12 bases in Zambia run by Nkomo's army.

781023552223554 30

rho,zim Five Rhodesian jets raid one of Nkomo's (Zimbabwe) training camps in Zambia.

Page full. . . press RETURN to continue

*****TEXT*****

actors rho,zim
flow rho <<< two-way flow >>> zim
time parameters. . . . 780101-781231
event types. all events
keyword expression . . MIZOREWA,NKOMO

781103554223552 30

zim,rho Zimbabwe's Nkomo says his men shot down five
Rhodesian jets which raided one of his training camps
in Zambia.

781201554112552 30

zim,rho Zimbabwe leader Nkomo refuses to attend an all-party
conference on Rhodesia.

Do you want to perform another keyword search for the event types(y/n)?

CASE IV

actors plo,wor
flow plo <<< two-way flow >>> wor
time parameters. . . . 790101-790331
event types. all events
keyword expression . . GUERILLA, GUERILLAS, TERRORIST, TERRORISTS

790130666 25697 10

an israel military rep says the demolition of the four homes of suspected plo guerrillas on the west bank is intended to punish the relatives of the terrorists for keeping silent on plo plans and to dissuade other members of the community from terrorist acts isr

790423 2121697 10

usa dos rep carter condemns the plo terrorist attack on the northern israel resort of nahariya which killed four isr citizens as "a barbaric act - such brutality has no place in the civilized world"

790429666 25697 10

the israel cabinet decides to allow prosecutors in isr military courts to seek the death penalty for plo guerrillas who carry out terrorist acts of "inhuman cruelty" against isr

790523666223597 10

four israel fighter jets, in retaliation for a plo terrorist bombing in jerusalem that killed 3 and wounded 13, bomb plo positions at damur in southern lebanon and draw ground fire from plo forces isr leb

Page full. . . press RETURN to continue
Set time parameters(750101-771231): 79010179
second month invalid, reenter

Set time parameters(750101-771231): 790101-790231

*****TEXT*****

actors plo, wor
flow plo <<< two-way flow >>> wor
time parameters. 790101-790231
event types. all events
keyword expression GUErilla, GUErillas, TERRORIST, TERRORISTS

790524566223697 10

israel fighters bomb plo camps in southern lebanon and isr
artillery pound a 20-sq-mile area from the central part of
southern leb to the port of tyre in retaliation for a plo
artillery attack on isr settlements and a plo terrorist
bombing at an isr supermarket in jerusalem

790504556223697 10

israel navy forces fire on and sink a speedboat which isr says
contained plo terrorists attempting to fire rockets into isr
from a raft being towed by the speedboat

Do you want to perform another keyword search for the event types(y/n)?

CASE V

```
*****TEXT*****
actors . . . . . saf,wor
flow . . . . . saf <<< two-way flow >>> wor
time parameters. . . . 660101-661231
event types. . . . . all events
keyword expression . . APARTHEID
*****
```

No events were found.

Do you want to perform another keyword search for the event types(y/n)?

- 4. quarterly
 - 5. yearly
- 3

Set time parameters(750101-771231): 660101-661231

CASE VI

*****TEXT*****

actors rho, wor
flow rho <<< two-way flow >>> wor
time parameters. . . . 660101-721231
event types. all events
keyword expression . . SANCTION, SANCTIONS

660207200193552 30

unk tightened economic sanctions against rho by making it a
crime to export tobacco to rho

680312 2192552 30

usa treasury dept said it issued new regulations to broaden
econ sanctions against rho

681107399192552 30

uno ga votes to strengthen sanctions against rho

690110399192552 30

uno sc imposes mandatory sanctions on all important commerce
with rho

Do you want to perform another keyword search(y/n)? y

*****TEXT*****

actors rho, wor
flow rho <<< two-way flow >>> wor
time parameters. . . . 750101-790331
event types. all events
keyword expression . . SANCTION, SANCTIONS

750506399181552 30
cru agrees to intensify econ sanctions agst rho

750702220 65552 0
britain unk ends her nine year naval blockade of mozambique
fre thereby ending the sanctions designed at preventing the
shipment of oil to rhodesia rho in violation of the united
nations uno sanctions imposed against the former unk colony
in 1966 because of its racial policies

760406399192552 0
uno security council by unanimous decision broadens the
international sanctions against the white minority regime in
rhodesia by barring insurance and commercial licensing
operations benefiting that country rho

760406 2121552 0
usa chief delegate scranton tells the uno security council
that the usa strongly opposes the "illegal smith regime"
and fully supports the new sanctions against rhodesia rho

Page full. . . press RETURN to continue

*****TEXT*****

actors rho, wor
flow rho <<< two-way flow >>> wor
time parameters. 750101-790331
event types. all events
keyword expression . . SANCTION, SANCTIONS

766324 2 23552 0

usa sst kissinger says rhodesia pm smith agreed to the proposals for ending white-minority rule in rho because of the continued weakening of the rho position as a result of international sanctions and the guerrilla war and because of the participation of saf and the usa in negotiations

770318 2192552 0

usa prs carter signs legislation which will permit him to stop the usa importation of chrome from rhodesia thereby complying with uno economic sanctions rho

768038 2 25552 0

usa sst vance answers a flat "no" when asked whether the plan for majority rule reached between rhodesia and some zimbabwe factions is constructive enough to warrant the lifting of uno sanctions against rho

763720 2111552 0

usa sst vance and united kingdom foreign secretary david owen rule out lifting economic sanctions against rhodesia unk rho

Page full. . . press RETURN to continue

*****TEXT*****

actors rho,wor
flow rho <<< two-way flow >>> wor
time parameters. . . . 753101-792331
event types. all events
keyword expression . . SANCTION,SANCTIONS

753720203111552 0

usa sst vance and united kingdom foreign secretary david owen
rule out lifting economic sanctions against rhodesia unk rho

753116 2 25552 0

usa uno rep young says he is sure the usa will not repeal
trade sanctions against rhodesia "not only because it's
against the international law we've agreed to, but because
it's dumb" rho

753317 2112552 0

usa sst vance says the usa will support neither rhodesia nor
the zimbabwe guerrillas, opposing both a zim demand for a
dominant position in the transitional rho govt and the
lifting of international sanctions against rho

753423 2 21552 0

usa dos rep carter says there will be "pretty much of a
moratorium" on usa govt comments about the elections in
rhodesia until usa prs carter decides whether to lift
economic sanctions against rho

Page full. . . press RETURN to continue

*****TEXT*****

actors rho, wor
flow rho <<< two-way flow >>> wor
time parameters. . . . 798101-798331
event types. all events
keyword expression . . SANCTION, SANCTIONS

798430 2 25552 0

usa prs carter says that the usa will wait until rhodesia's
newly elected govt is installed before a decision is made to
end usa sanctions against rho but adds that the usa is now
assessing the conduct and consequences of the rho election

798507 2 112552 0

usa prs carter refuses to lift usa sanctions against rhodesia
rho

798710 2 31552 0

usa sst vance and usa congress members meet with rhodesia pm
muzorewa in washington to discuss ending usa
economic sanctions against rho

798711 2 31552 0

usa prs carter meets with rhodesia pm muzorewa in washington
to discuss the lifting of usa economic sanctions against rho

Page full. . . press RETURN to continue

*****TEXT*****

actors rho, war
flow rho <<< two-way flow >>> war
time parameters. . . . 753181-792331
event types. all events
keyword expression . . SANCTION, SANCTIONS

793711 2152552 @

usa prs carter tells rhodesia pm muzorewa that usa economic
sanctions against rho will not be lifted until major
constitutional and administrative changes are made by the
rho govt to make it more fully representative of all the
rho people

790713200 31552 @

rhodesia pm muzorewa meets with unk pm thatcher in london to
seek unk recognition of the new rho govt and the lifting of
unk economic sanctions against rho

Do you want to perform another keyword search(y/n)? n

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