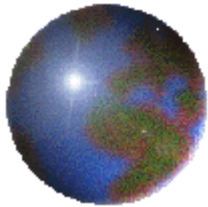
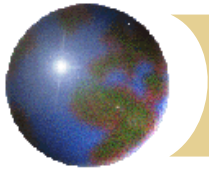


9-11-01

Disaster at the Pentagon



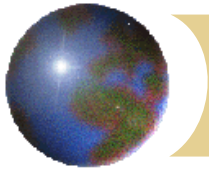
Glen D. Rudner
Consultant/Instructor
GDR Consulting



Virginia Department of Emergency Management



Glen D. Rudner

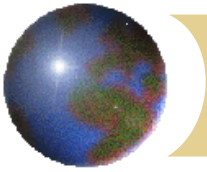


Agency Overview

✚ The Virginia Department of Emergency Management is a multi-faceted agency which provides emergency management assistance to localities throughout the Commonwealth of Virginia.

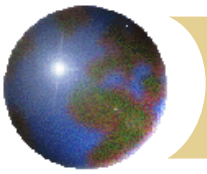
- **VDEM is responsible for:**

- Disaster preparedness
- Response
- Mitigation
- Recovery



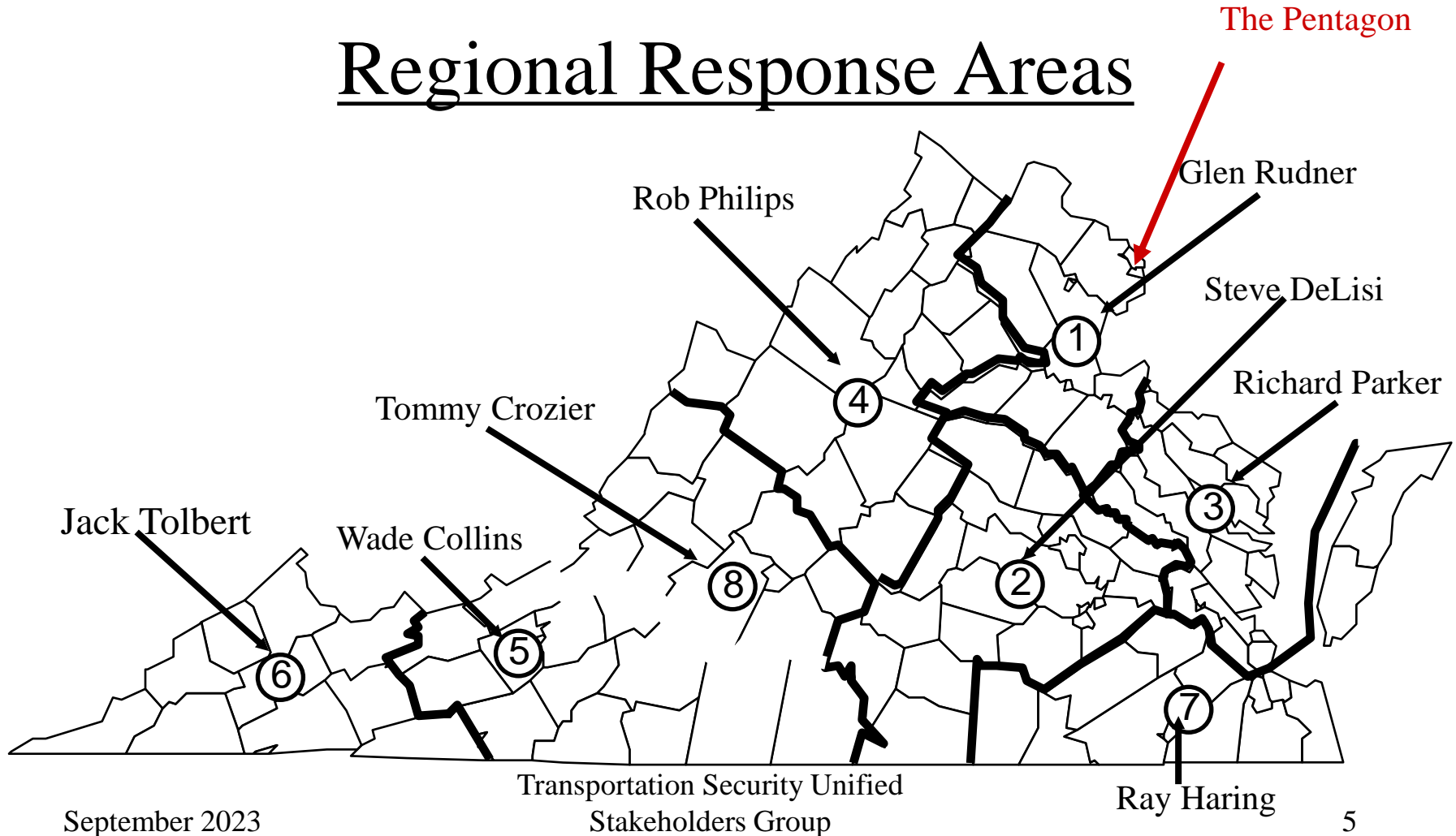
Technological Hazards Division

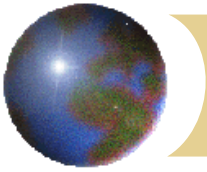
- ❖ Hazardous Materials Response Officer
 - ❖ Support local governments
 - ❖ Other state agencies
 - ❖ Respond to assist localities when full team not needed
 - ❖ 24 hours A day
 - ❖ Provide technical advice
 - ❖ Training
 - ❖ Serve as liaison between levels of government and agencies



Technological Hazards Division

Regional Response Areas

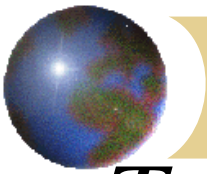




Technological Hazards Division

Program Assistance

- ✚ Regional Hazardous Materials Response Teams
- ✚ Level II Jurisdictions
- ✚ Planning
- ✚ Training



Technological Hazards Division

Emergency response program

- ❖ Level II response program
 - ❖ MOU signed by most of the 138 jurisdictions
 - ❖ Defensive tactical control
 - ❖ Jurisdictions will train all fire, EMS, and law enforcement personnel to the awareness level
 - ❖ Develop an appropriate operations level (defensive) capability
 - ❖ Notify VDES of an incident
 - ❖ Provide on-scene ICS and fire/EMS services



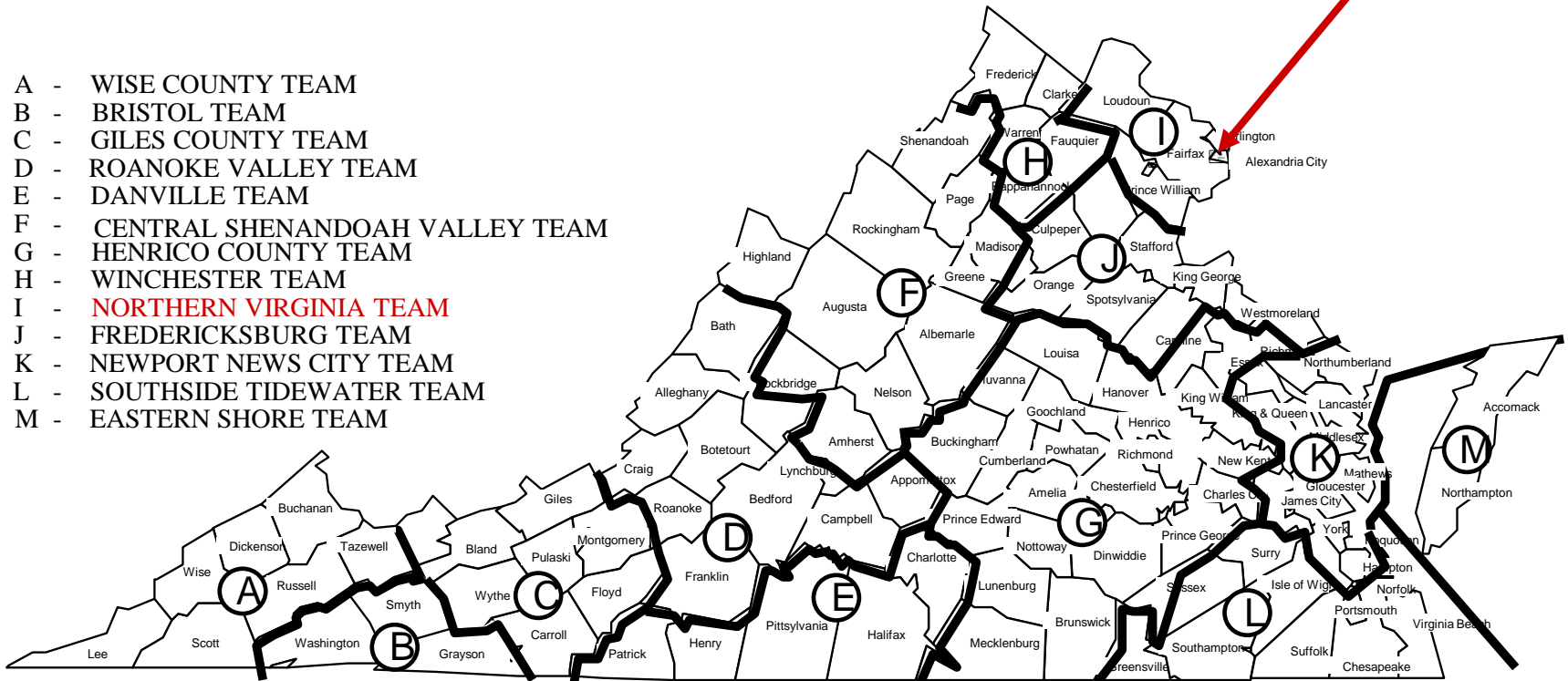
Technological Hazards Division

HAZARDOUS MATERIALS REGIONAL RESPONSE TEAMS

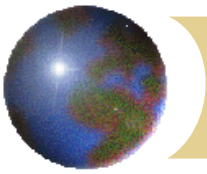


The Pentagon

- A - WISE COUNTY TEAM
- B - BRISTOL TEAM
- C - GILES COUNTY TEAM
- D - ROANOKE VALLEY TEAM
- E - DANVILLE TEAM
- F - CENTRAL SHENANDOAH VALLEY TEAM
- G - HENRICO COUNTY TEAM
- H - WINCHESTER TEAM
- I - **NORTHERN VIRGINIA TEAM**
- J - FREDERICKSBURG TEAM
- K - NEWPORT NEWS CITY TEAM
- L - SOUTHSIDE TIDEWATER TEAM
- M - EASTERN SHORE TEAM



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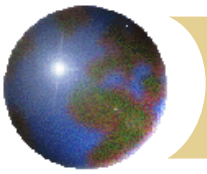


Why Do We Prepare.....



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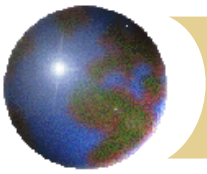


Pre Incident



September 2001

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The Terror Begins.....

Tower 1 - 0845



September 2001



Transportation Security Unified Stakeholders Group

Tower 2 - 0903





The Terror Begins.....

0939



The Pentagon

September 2001

1010



Pennsylvania

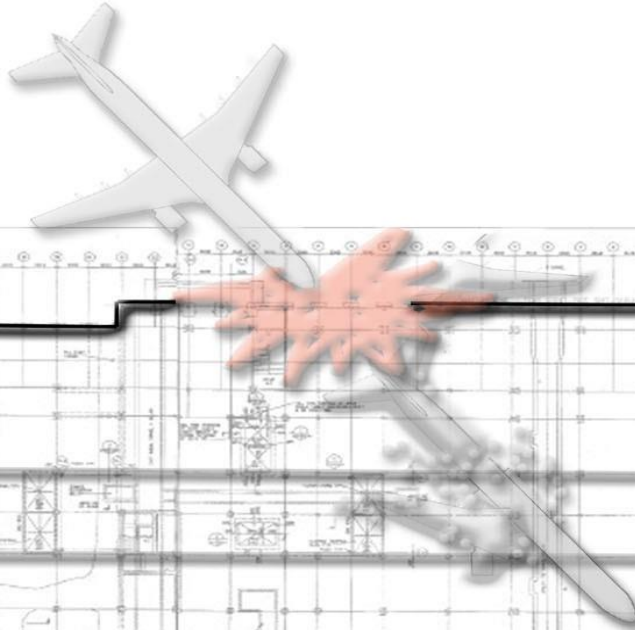
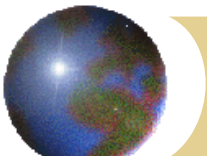
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Sep. 12, 2001, 17:37:23
September 2023

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#4 impact 13



“E” RING

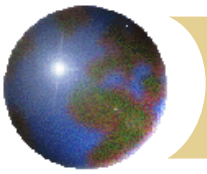
“D” RING

“C” RING

“B” – “C” DRIVE

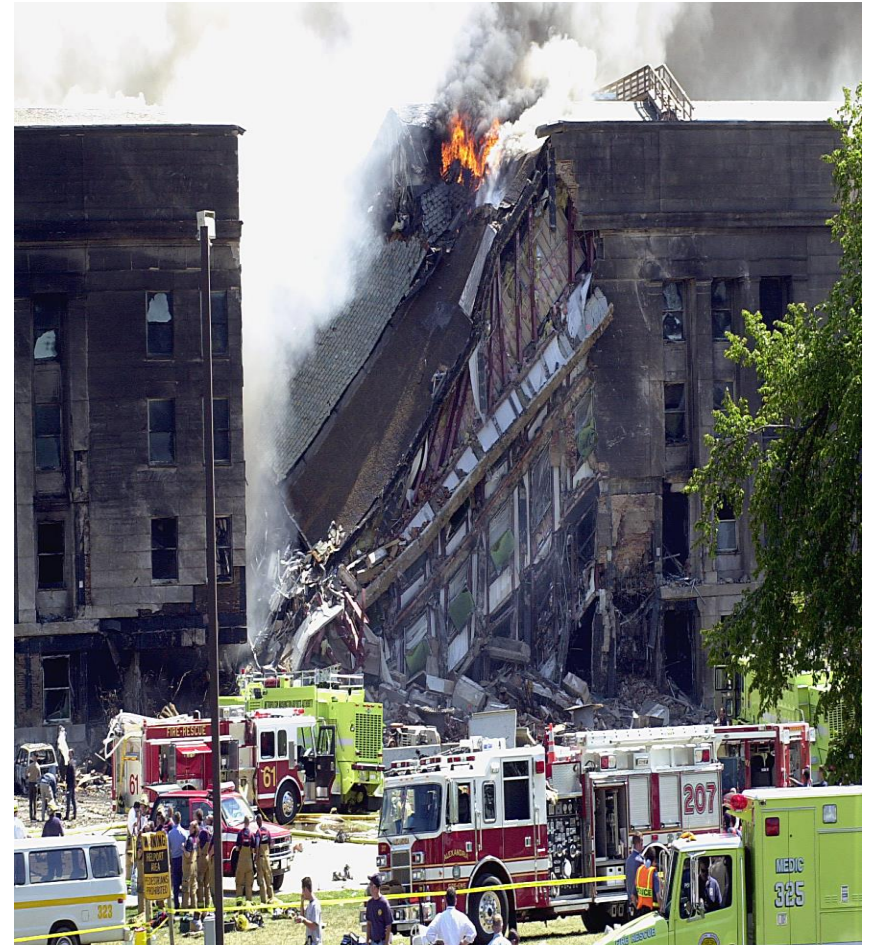
September 2023

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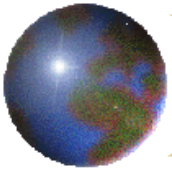


The Collapse at the Pentagon

1010



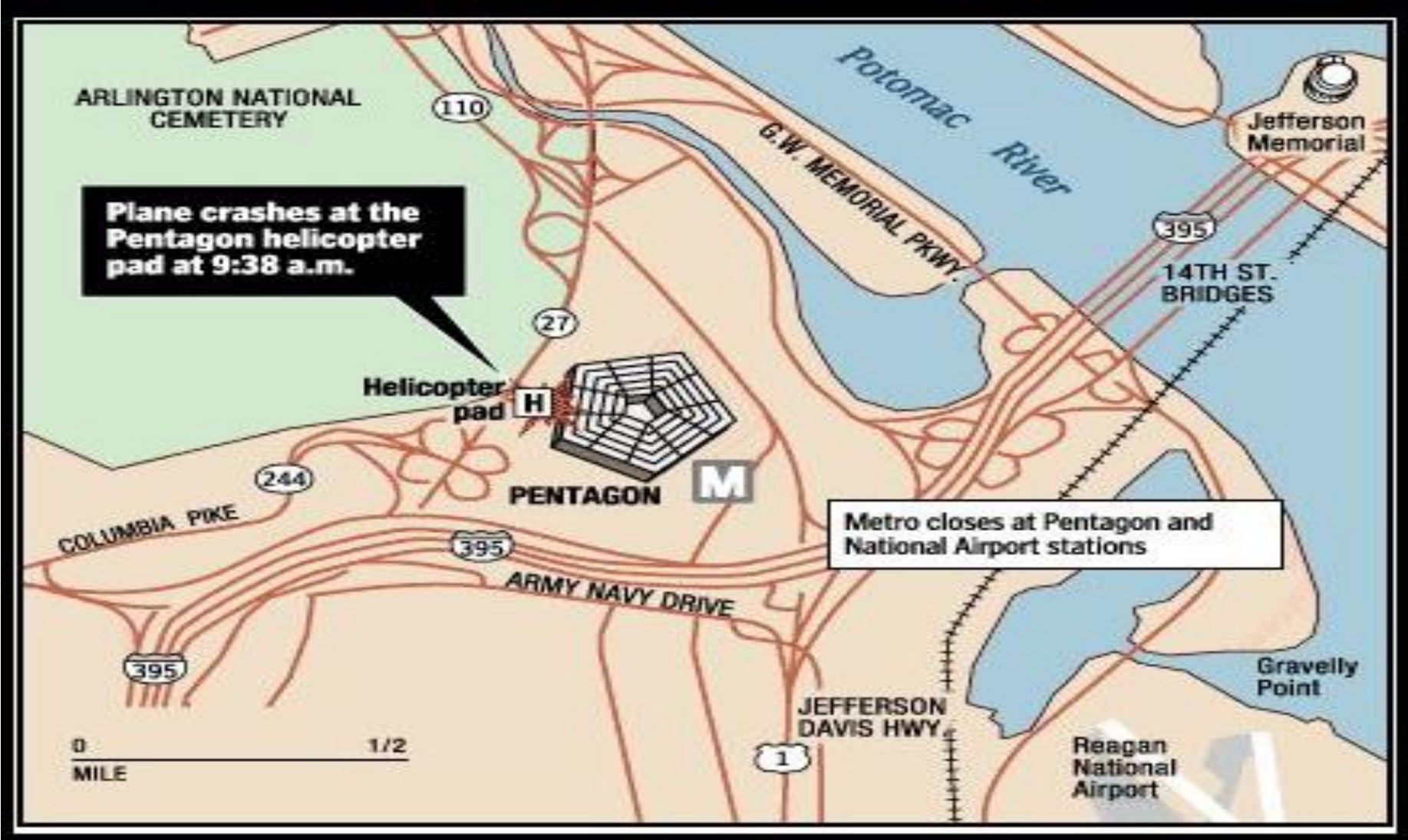
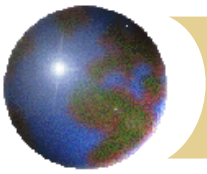
Transportation Security Unified
Stakeholders Group

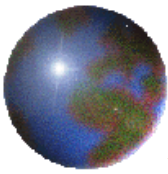


The Exodus and the Fear.....



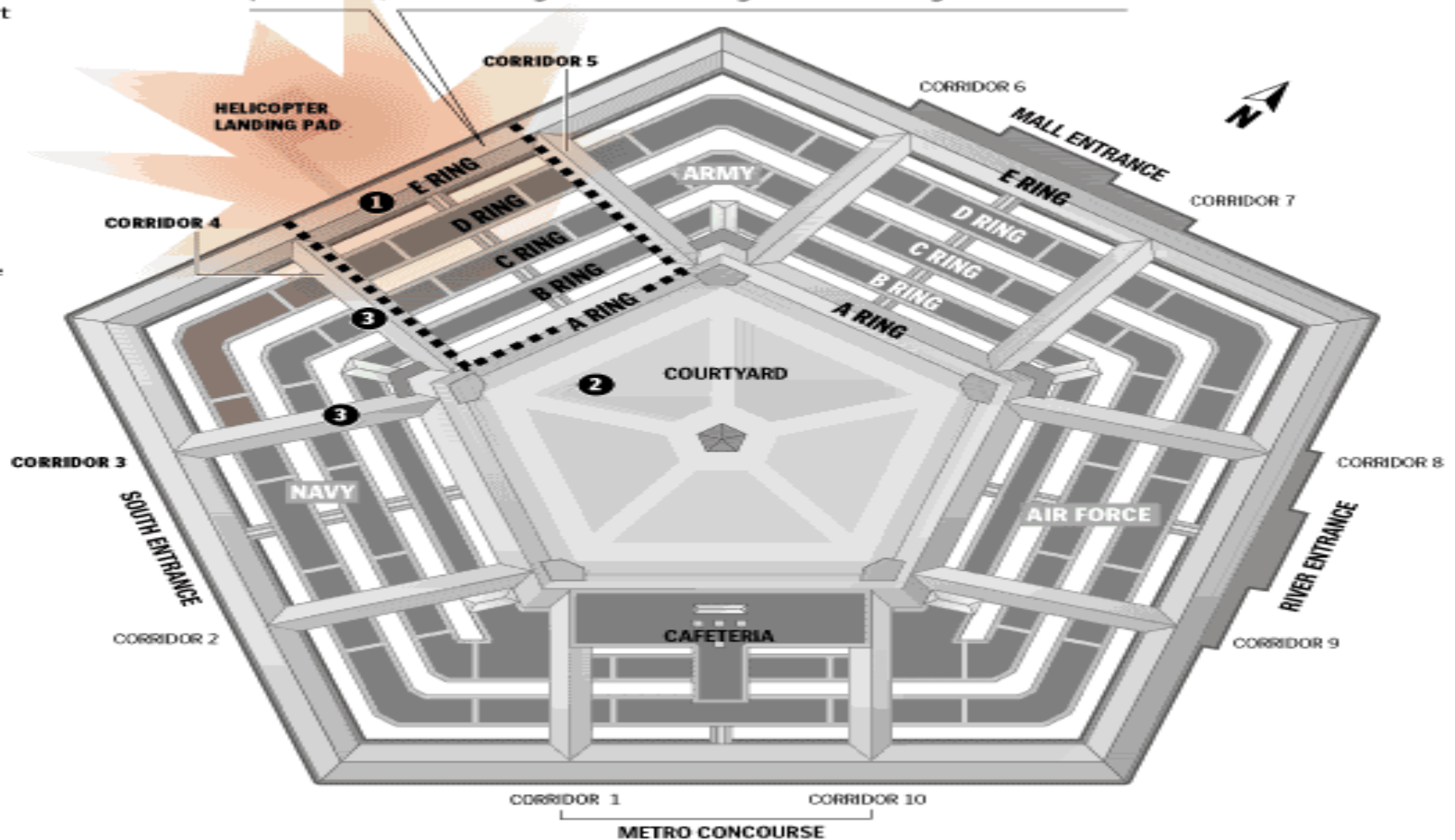
Transportation Security Unified Stakeholders Group

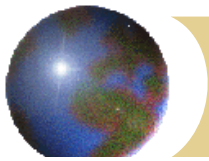




Area of impact

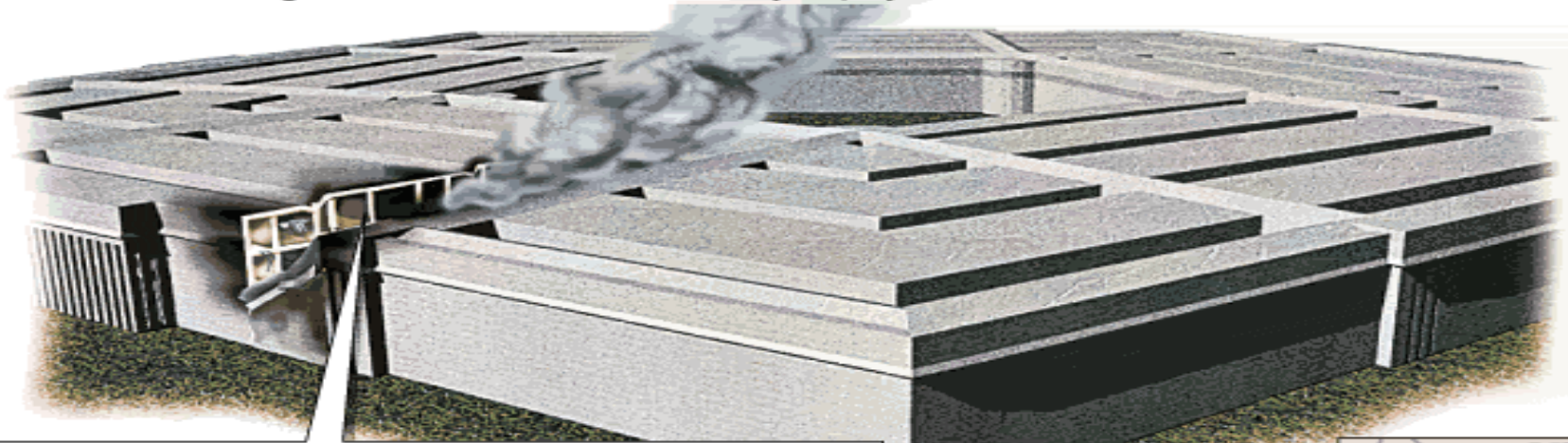
The plane appeared to hit the Pentagon midway between corridors 4 and 5. Eyewitnesses report that the plane cut a wedge that extended past the C, D and E rings of the building into the B Ring.





ATTACK ON THE PENTAGON

The Pentagon, the command center for the U.S. military, was struck by an American Airlines jetliner Tuesday. The plane tore a giant gash near the Pentagon heliport, in the southeastern side of the building, which had recently been renovated. The building houses 25,000 civilian and military employees.



The plane gouged a hole 100 feet wide through three of the five "rings" and all five stories of the Pentagon. Witnesses said that they could see the 5-acre central courtyard, which contains food vendors and a sitting area, through the gap. Offices in the damaged area include those of the joint staff and the Army's deputy chief of staff for personnel.

The walls of the Pentagon:

- 6 inches of Indiana Limestone
- 8 inches of brick

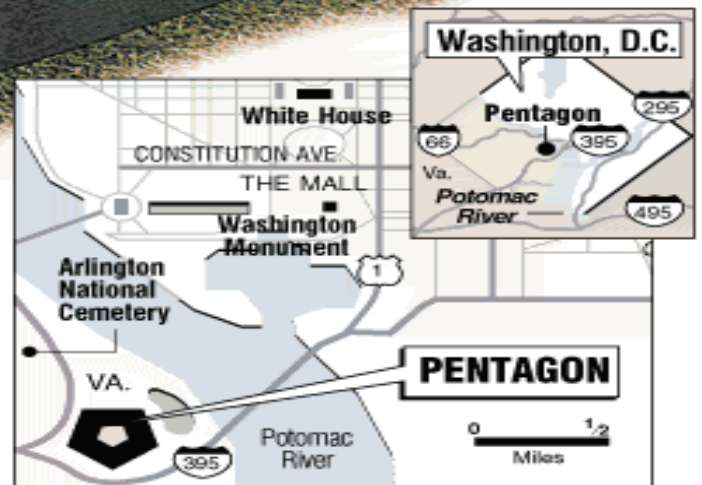
Total wall depth: 24 inches



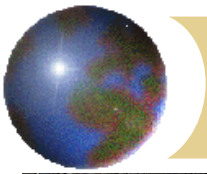
10 inches of concrete

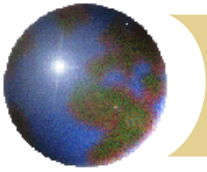
Concrete floor 5 inches deep

Source: USA TODAY



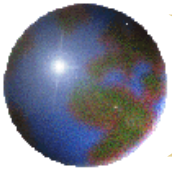
GANNETT NEWS SERVICE

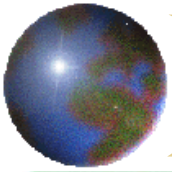




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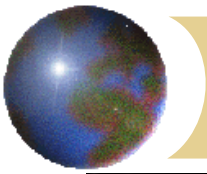
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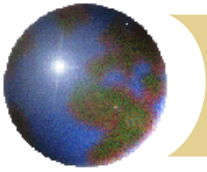


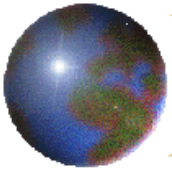


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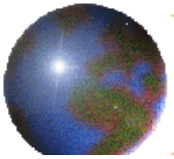


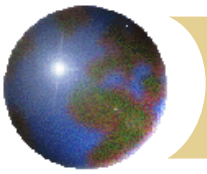




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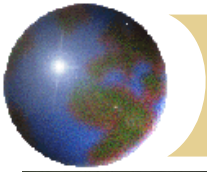
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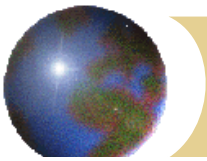


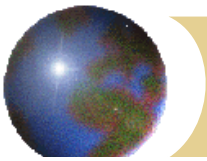


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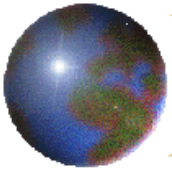






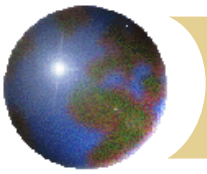
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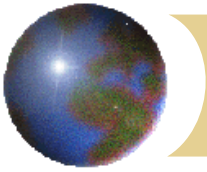
September 2023



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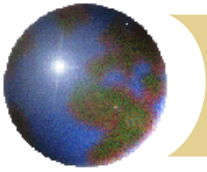


Haz Mat Issues

Initially:

⊕ Concerns:

- ⊕ PCB' s
- ⊕ Asbestos
- ⊕ Radiation
- ⊕ Jet Fuel
- ⊕ Human Remains/Body Fluids etc....

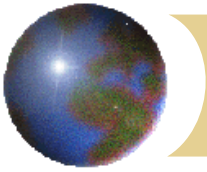


Haz Mat Issues:

✚ Detection and Monitoring:

✚ Coordinated Effort:

- EPA was reporting point that was established
 - Readings by:
 - MMRS/MMST
 - USAR
 - FBI
 - ALL Entry Teams



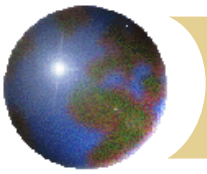
Haz Mat Issues

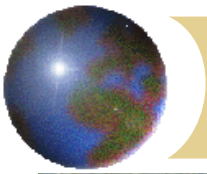
⊕ Decontamination:

- ⊞ Set-up was done and maintained by:
 - MMRS/MMST

⊕ Rehab:

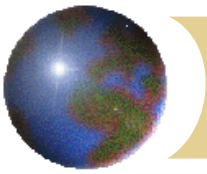
- ⊞ Red Cross
- ⊞ And others.....







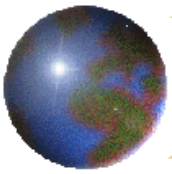


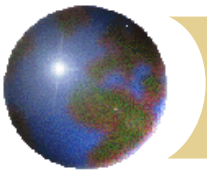
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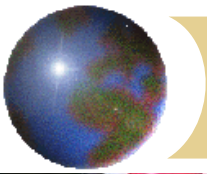
-  Structural damage
-  Area of demolition
-  Water and smoke damage
-  E-ring collapse





Arlington, VA, September 13, 2001 -- Urban Search and Rescue crews from Montgomery County work to build columns to support the collapsed structure at the crash site following Tuesday's attack.

Photo by Jocelyn Augustino/ **FEMA News Photo**



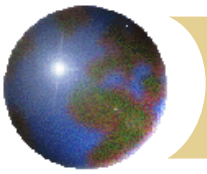
Arlington, VA, September 13, 2001 -- Urban Search and Rescue crews from Montgomery County work to clear debris and strengthen support at the crash site following Tuesday's attack.

Photo by Jocelyn Augustino/ **FEMA News Photo**



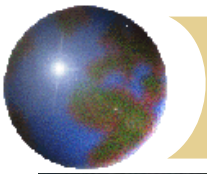
Arlington, VA, September 13, 2001 -- Urban Search and Rescue crews from Montgomery County work to clear debris and strengthen support at the crash site following Tuesday's attack.

Photo by Jocelyn Augustino/ **FEMA News Photo**



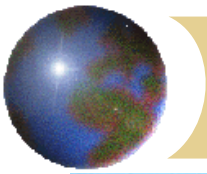
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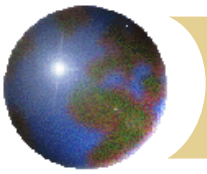
September 2023

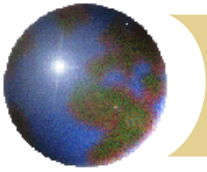
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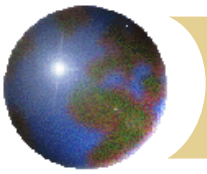
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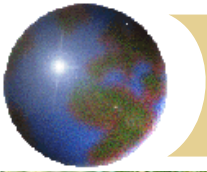


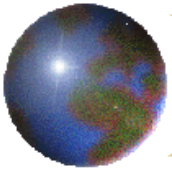


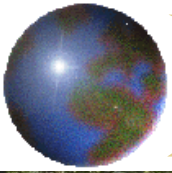
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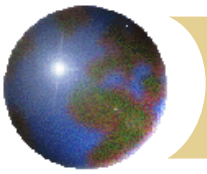






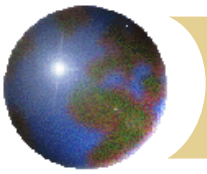
Fort McNair





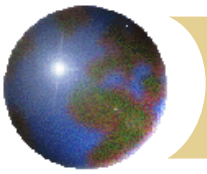
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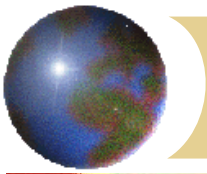
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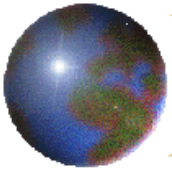


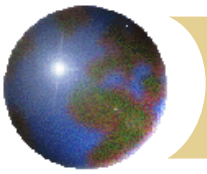
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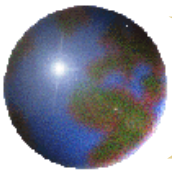
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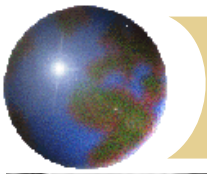
Rebuild February, 2002





Rebuild Progress – May 2002





***And
you
think
YOU
have
stress?***