

A Day  
at a  
*National Weather  
Service  
office*  
with Sally Salmon  
and...





*Larry  
Chicken,  
star  
forecaster*

NELSON



:

FLIEDER  
ALLEY



:



:

KERKVLiet



:



:

DUVALL  
CLARK  
BIRCK



:



:



LARRY G.



Checking in for the day...



Larry puts his lunch away.  
It could be a long day of  
weather forecasting!



Larry first looks at  
the big picture....

This satellite picture helps him see what's  
happening far away from us.

Larry takes a look at the sky



...and decides what kind of clouds are out there.





Larry also collects data about the current weather in our area, even in the early morning hours before the sun comes up.

Here, Larry is reading a rain gage to see how much rain has fallen in the past few hours.





**Hey!**  
**Who threw that snowball?**

He also keeps track of the high and low temperature every day



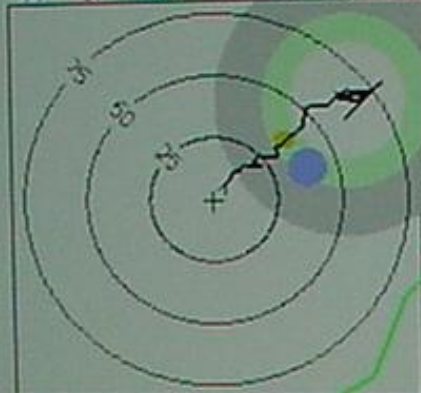
Larry is thankful for automated weather observing equipment so he doesn't have to stand outside all day.



Larry watches one  
of his co-workers  
launch a weather  
balloon.



T(F) Td LI SMT K TT Pw(cm) CAPE Tc CELL SREH VGP  
44 37 9.9 111 5 40 1.07 0 59 250/39 115 0.00



Larry then looks at the data collected from the weather balloon as it goes up through the atmosphere.

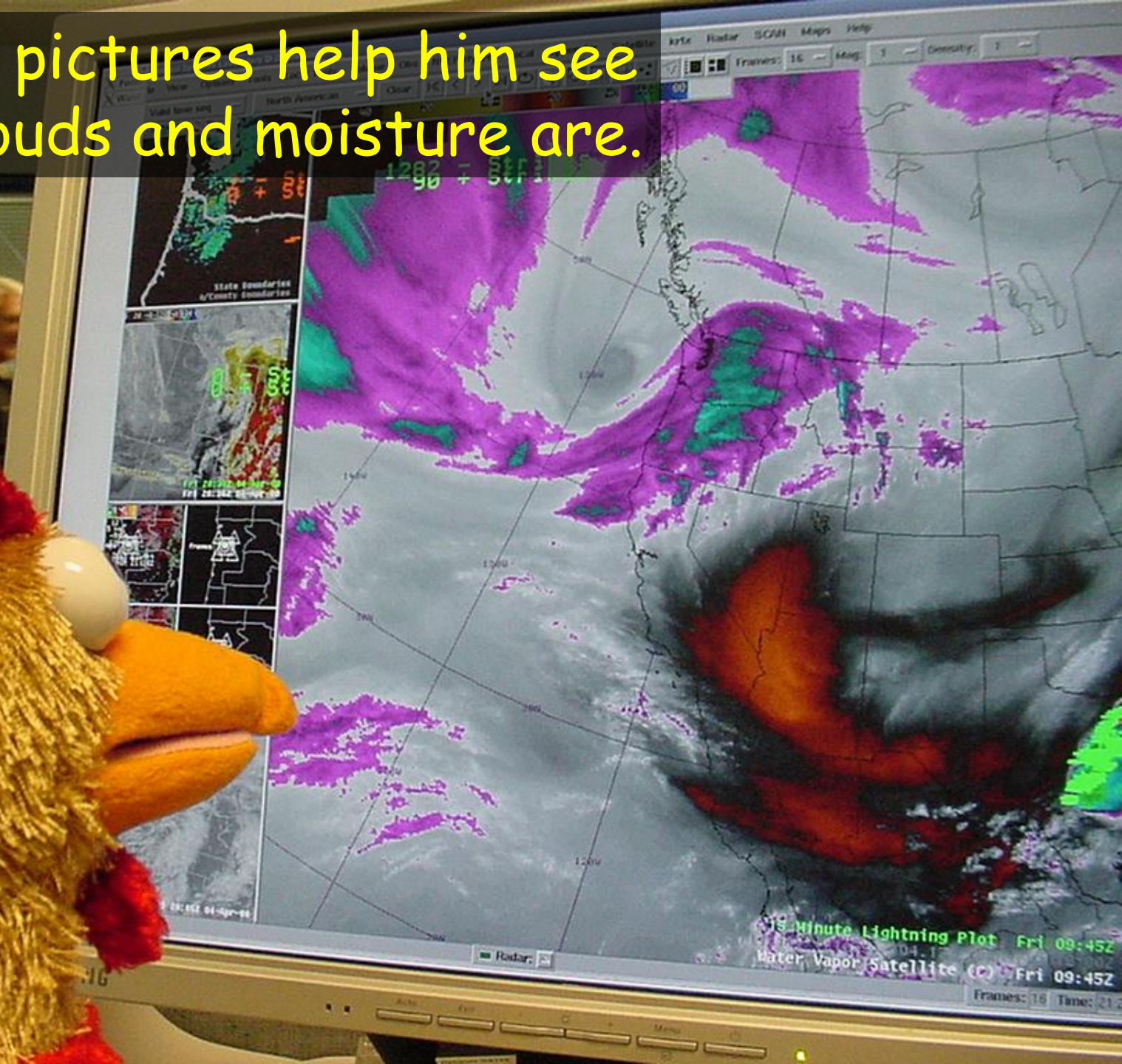
The balloon gives him information about how warm or cold, moist or dry...and windy it is high above the ground.

When he is forecasting, Larry spends a lot of time looking at a computer.

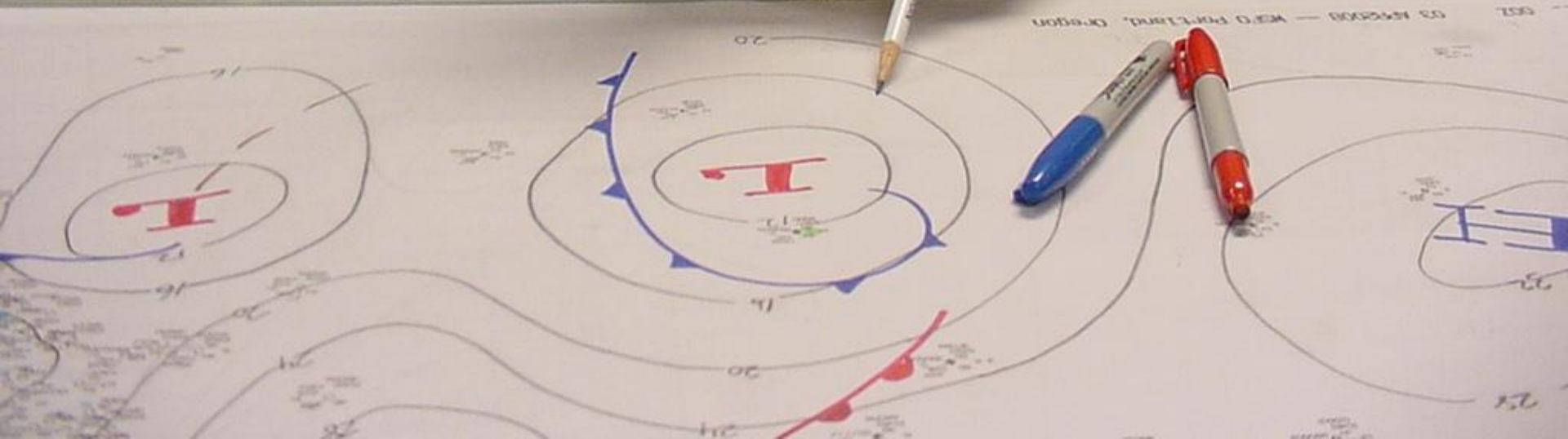


Radar pictures help him to see where it is raining and snowing.

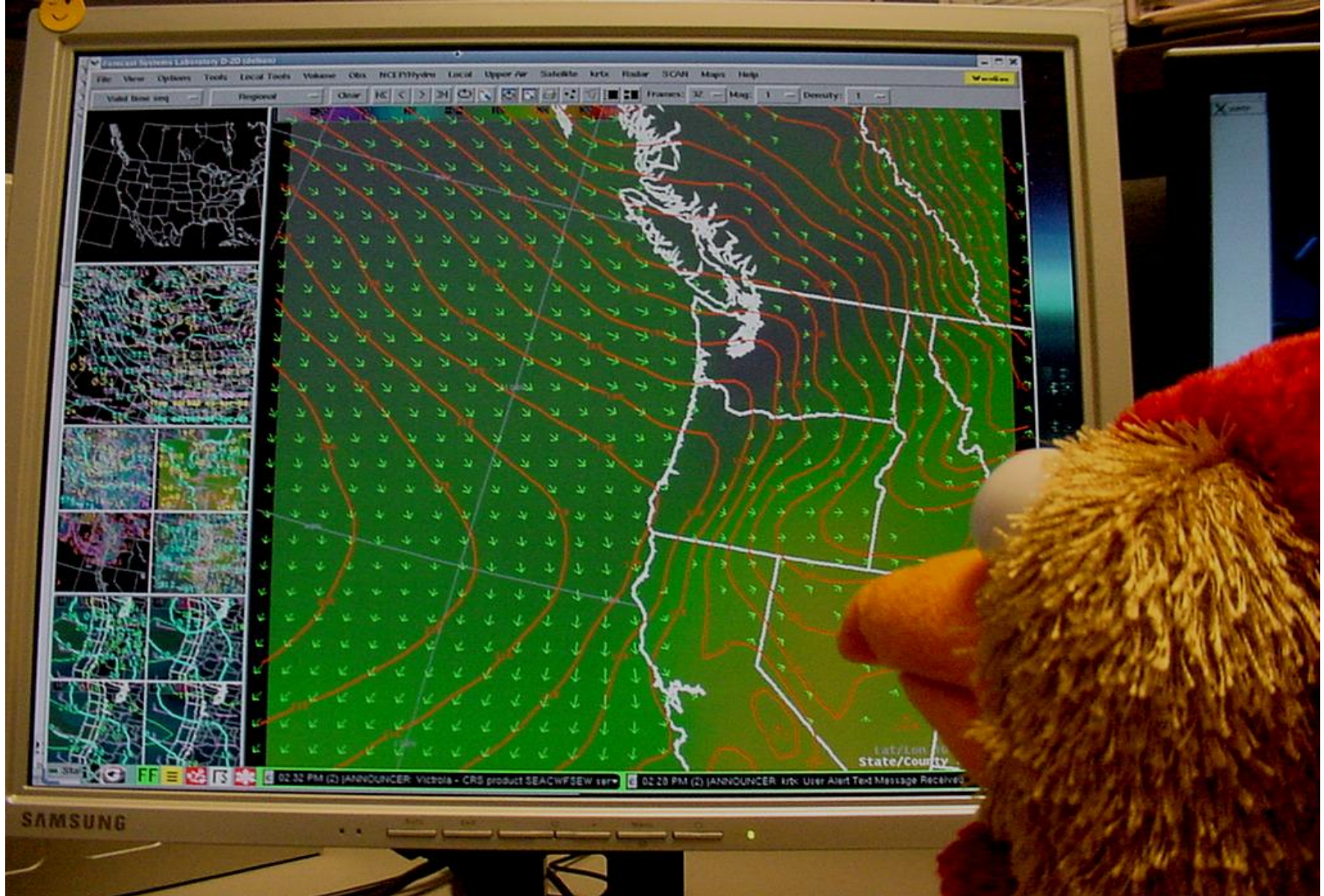
Satellite pictures help him see where clouds and moisture are.



Analyzing a map helps Larry see patterns in the weather



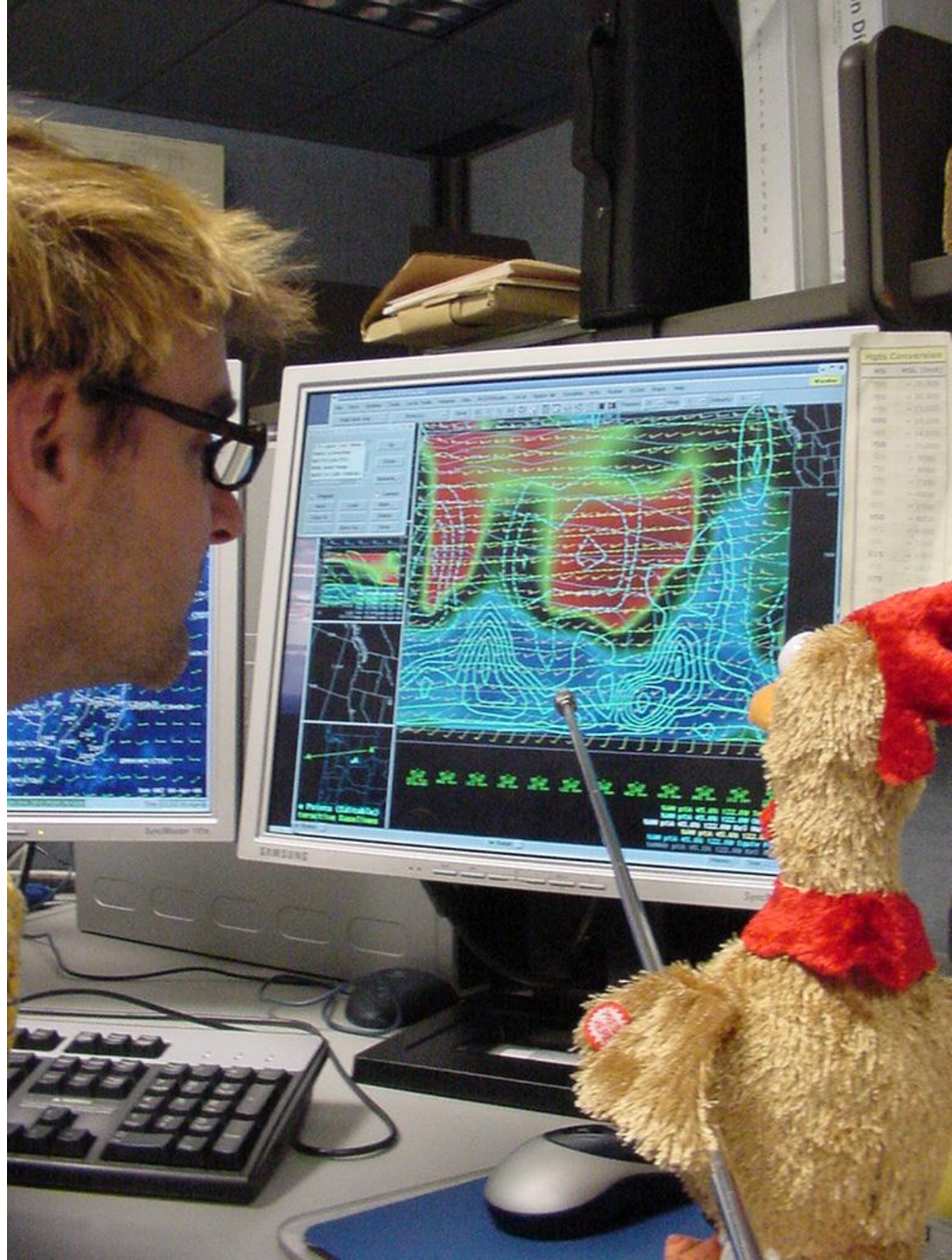


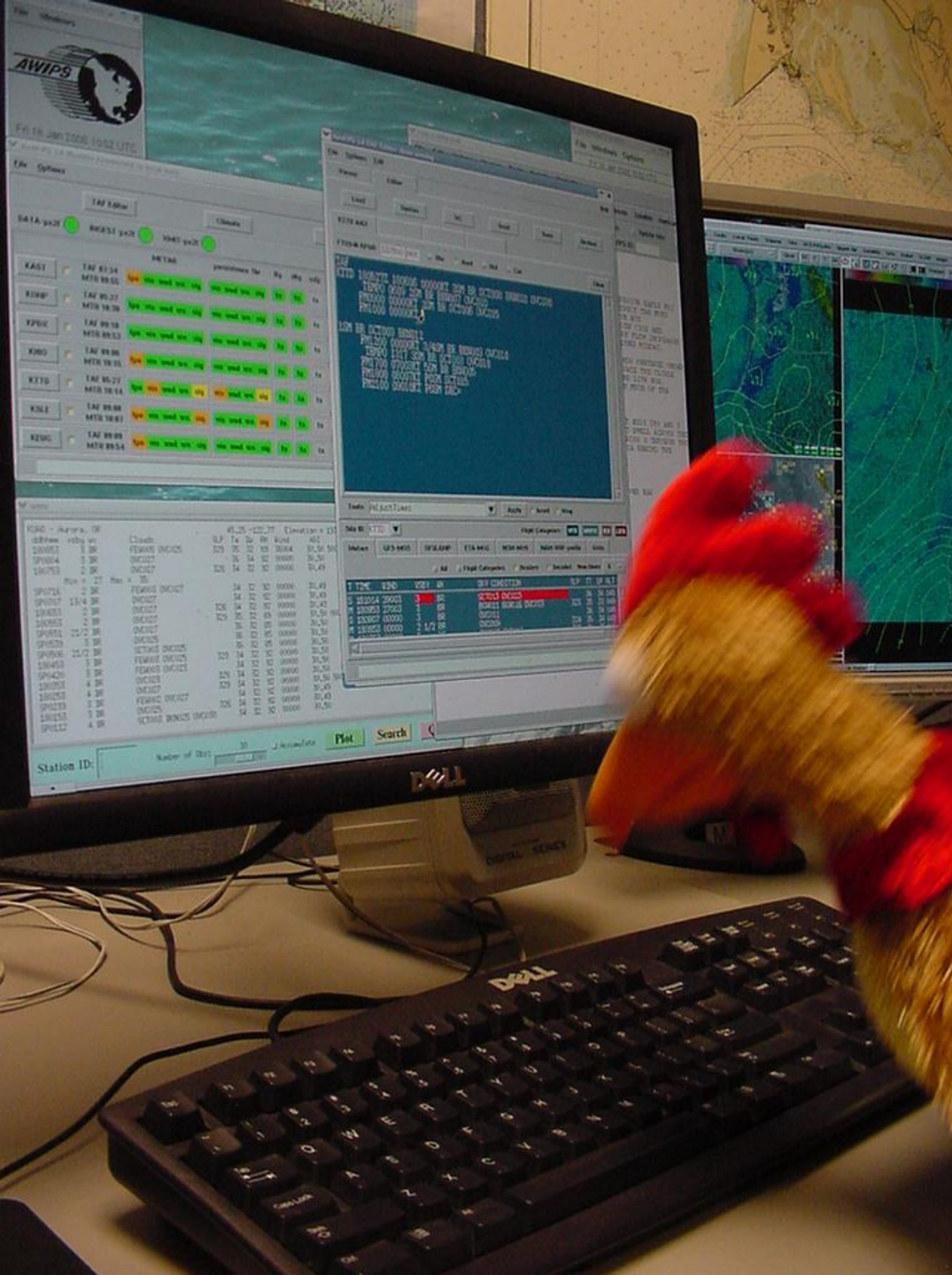


Computer models help Larry forecast the weather for the next several days.

Larry doesn't  
forecast alone.

Here he discusses  
the weather with  
a fellow  
meteorologist.





Now it's time to  
make the  
forecast!

# National Weather Service Advanced Hydrologic Prediction Service

Home News Organization Search for: Weather Forecast Office Portland, OR

Local weather  
Forecast by  
"City, ST"  
City, ST

Adjacent Areas:

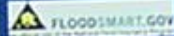
Zoom Out

National Conditions  
Rivers  
Satellite  
Climate  
Observed Precip

Local Conditions  
Warnings  
Weather Forecast  
Radar

What is AHPs?  
Facts  
Our Partners

Feedback/Questions  
Provide Feedback  
Ask Questions



River Observations River Forecasts Within 48 Hours Precipitation



Topo  Gauges  Counties  States  Major Rivers  Other Rivers  
 HSA  Names  Names

67 Total Gauges: 0 Zero Locations In Flood

River Menus	
Columbia River	Santiam River (and Tributaries)
Hood River	Luckiamate River
White Salmon River	South Yamhill River
Washougal River	Fludding River
Bull Run River	Molella River
Sandy River (and Tributaries)	Tualatin River (and Tributaries)
	Clatsop River (and Tributaries)

Sally Salmon is a hydrologist. She keeps track of the local rivers. This is especially important when flooding is a possibility.



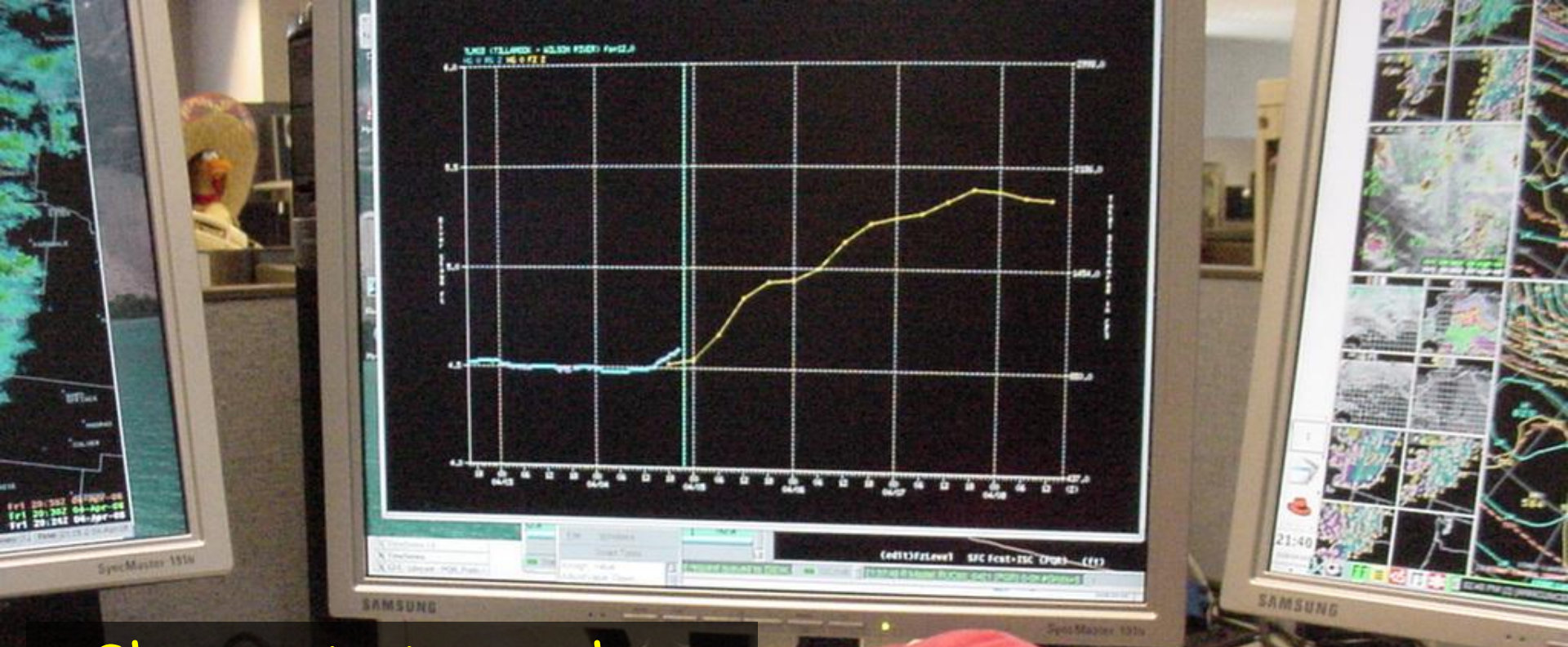
DELL

Sally looks over the river forecasts that come in from the NWS Northwest River Forecast Center.



Station	Time	Value	Unit
10000	10/01	1000	ft
10000	10/02	1000	ft
10000	10/03	1000	ft
10000	10/04	1000	ft
10000	10/05	1000	ft
10000	10/06	1000	ft
10000	10/07	1000	ft
10000	10/08	1000	ft
10000	10/09	1000	ft
10000	10/10	1000	ft
10000	10/11	1000	ft
10000	10/12	1000	ft
10000	10/13	1000	ft
10000	10/14	1000	ft
10000	10/15	1000	ft
10000	10/16	1000	ft
10000	10/17	1000	ft
10000	10/18	1000	ft
10000	10/19	1000	ft
10000	10/20	1000	ft
10000	10/21	1000	ft
10000	10/22	1000	ft
10000	10/23	1000	ft
10000	10/24	1000	ft
10000	10/25	1000	ft
10000	10/26	1000	ft
10000	10/27	1000	ft
10000	10/28	1000	ft
10000	10/29	1000	ft
10000	10/30	1000	ft
10000	10/31	1000	ft





She wants to see how high the rivers will rise.





Weather Forecast Office Portland, OR

Northwest River Forecast Center

Local weather forecast by "City, ST"

City:  ST  Go

- National Conditions
  - Rivers
  - Satellite
  - Climate
  - Observed Precip

- Local Conditions
  - Warnings
  - Weather Forecast
  - Radar

- What is AHPS?
  - Facts
  - Our Partners

Feedback/Questions  
Provide Feedback  
Ask Questions



Hydrograph River at a Glance Download

## WILLAMETTE RIVER AT PORTLAND



NOTE: Forecasts for the Willamette River at Portland are issued routinely year-round.

- Printable Image
- About this graph
- Tabular Data
- XML
- RSS

Default Hydrograph

Return to

Sally is very happy when her forecasts are accurate!



# Sometimes Larry talks to the public.

Hil...Can you tell me what the river stage is on the Nehalem River?

Sure I can. It is 5.62 feet! Have a great day.

1135:NEHALEM R		
Sensor	Time(UTC)	Stage (LA
Date		
23-May-05	17:30	5.62
23-May-05	17:00	5.63
23-May-05	16:45	5.63
23-May-05	16:30	5.63
23-May-05	16:15	5.64
23-May-05	16:00	5.64
23-May-05	15:45	5.64
23-May-05	15:30	5.65
23-May-05	15:15	5.64
23-May-05	15:00	5.64
23-May-05	14:45	5.65
23-May-05	14:30	5.65
23-May-05	14:15	5.65
23-May-05	14:00	5.66
23-May-05	13:45	5.67
23-May-05	13:30	5.67
23-May-05	13:15	5.67
23-May-05	13:00	5.67
23-May-05	12:45	5.66
		5.68

Text Prev Home End Date




Larry talks to local officials when severe weather Watches and Warnings are issued.





...Larry may be called upon to do interviews with newspapers, TV and radio stations

NOAA Weather Radio provides weather information all day, everyday.



TRANSMIT TIME	MESSAGE TYPE	Z R A T E C R	MESSAGE NAME	M R D	EXPIRATION DATE
20100515	FORWARD		4411		00:04:11:23:00
20100515	FORWARD		VFP 10 14 114		00:04:04:23:00
20100515	STATIONID				
20100515	FORWARD				
20100515	FORWARD		VFP 10 43 577		00:04:04:23:15
20100515	FORWARD		VFP 10 26 1156		00:04:04:23:20
20100515	FORWARD		VFP 10 35 109		00:04:04:23:15
20100515	FORWARD		VFP 10 37 118		00:04:05:05:15
20100515	FORWARD		VFP 10 39 36		00:04:05:00:30
20100515	FORWARD		VFP 10 24 106		00:04:04:23:15
20100515	FORWARD		VFP 10 200 6	144	00:04:05:02:00

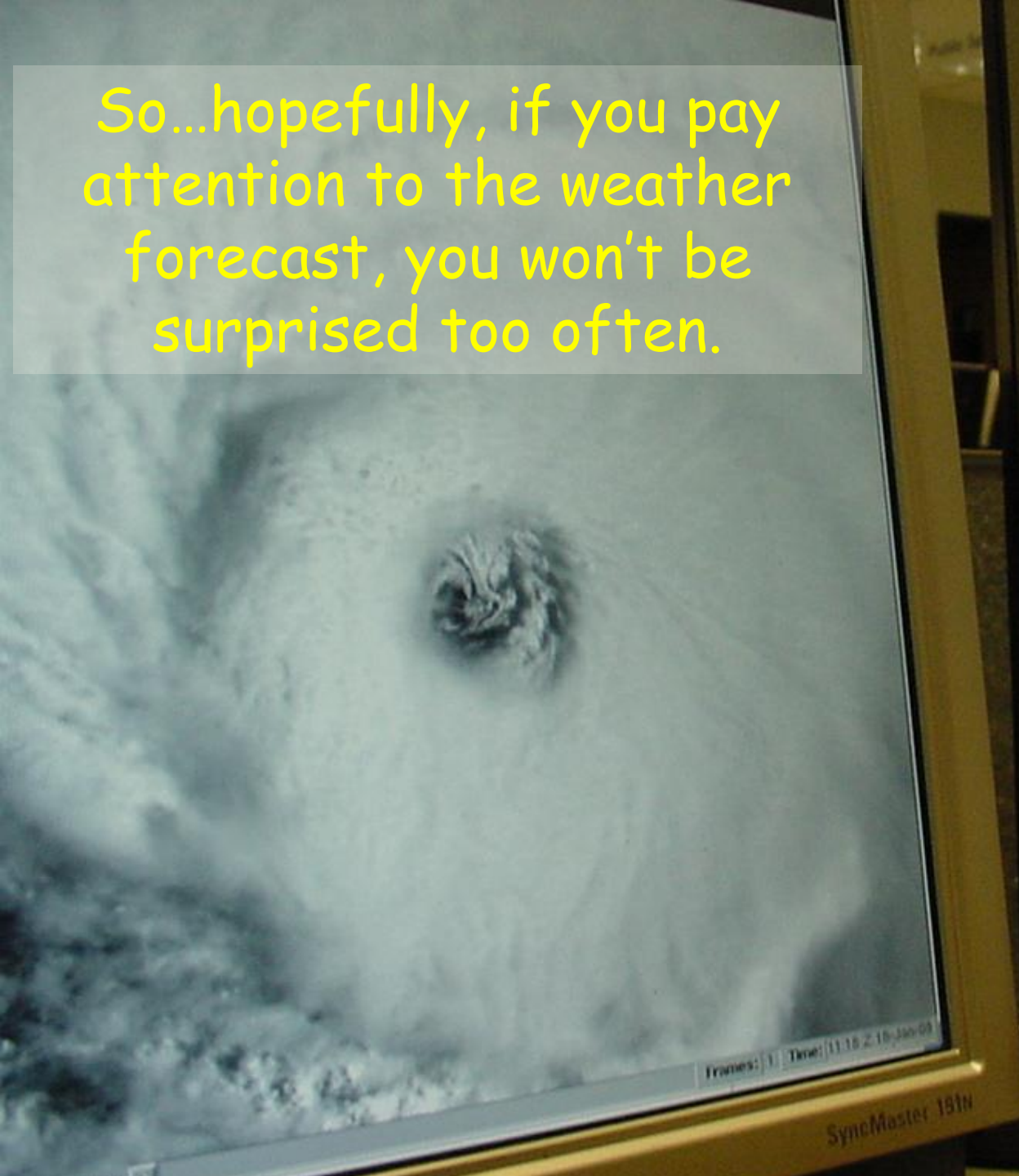




Lots of other people help keep the office working.

Pedro Pollo the Electronics Technician keeps computers and other equipment running smoothly.

So...hopefully, if you pay attention to the weather forecast, you won't be surprised too often.





Thanks for visiting the  
National Weather Service!