



Rwandans on Sunday commemorated the 30th anniversary of a genocide in which 800,000 people were slaughtered over 100 days.

## Rwanda Joins To Recall Pain Of a Genocide

By ABDI LATIF DAHIR

KIGALI, Rwanda — When the marauding militiamen arrived at her door on that morning in April 1994, Florence Mukantaganda knew there was nowhere to run.

It was only three days into the devastating 100-day genocide in Rwanda, when militiamen rampaged through the streets and people’s homes in a bloodshed that forever upended life in the Central African nation. As the men entered her home, Ms. Mukantaganda said her husband, a preacher, prayed for her and their two small children and furtively told her where he had hidden some money in case she survived.

He then said his final words to her before he was hacked to death with a hoe.

“He told me, ‘When they come for you, you have to be strong, you have to die strong,’” Ms. Mukantaganda, 53, recalled on a recent morning at her home in Kabuga, a small town about 10 miles east of Kigali, the Rwandan capital. “There was nothing we could do but wait for our time to die.”

The agony of those harrowing days loomed large for many on Sunday as Rwanda marked the 30th anniversary of the genocide in which extremists from the country’s ethnic Hutu majority killed some 800,000 people — most of them ethnic Tutsis — using machetes, clubs and guns.

“Our journey has been long and tough,” President Paul Kagame said on Sunday at a ceremony at an indoor arena. “Rwanda was completely humbled by the magnitude of our loss, and the lessons we learned are engraved in blood.”

Representatives from regional and global institutions like the African Union, the European Union

Continued on Page A9

## Millions Eagerly Await the Marvel of an Eclipse

By NICHOLAS BOGEL-BURROUGHS

Millions of people will tilt their heads skyward on Monday, marveling at a total solar eclipse. The moon will cross the sun and block its light for a few fleeting moments, creating a communal celestial experience that will not again be so accessible to people in the United States, Canada or Mexico for decades.

The total solar eclipse’s path — the expanse where the moon fully obscures the sun — stretches from Mexico’s Pacific Coast to the fringes of Atlantic Canada, pass-

### Along Path of Totality, on the Move to Take In a Rare View

ing through dozens of major cities where authorities are preparing for an influx of visitors eager to experience what may be a once-in-a-lifetime opportunity.

In New York, signs along the Thruway urged travelers to “Arrive Early, Stay Late” to avoid the inevitable jams that will clog

routes to and from prime viewing areas along the eclipse’s path.

Closer to Niagara Falls, which is in the path of totality, the second half of the message switched to a more realistic “Expect Delays.”

It will be the first total solar eclipse visible from the United States since 2017, and there will not be another visible in the lower 48 states until 2044. On Monday, much of the country is expected to take in the view. In 2017, a majority of American adults watched the eclipse in person, according to an estimate by Jon D. Miller, a re-

Continued on Page A11



OVER CENTURIES A viewing in Times Square on July 9, 1945. Today’s joins a long history. Page A10.

## How Big Tech Cut Corners to Harvest Data for Their A.I. Models

This article is by Cade Metz, Cecilia Kang, Sheera Frenkel, Stuart A. Thompson and Nico Grant.

In late 2021, OpenAI faced a supply problem.

The artificial intelligence lab had exhausted every reservoir of reputable English-language text on the internet as it developed its latest A.I. system. It needed more data to train the next version of its

technology — lots more.

So OpenAI researchers created a speech recognition tool called Whisper. It could transcribe the audio from YouTube videos, yielding new conversational text that would make an A.I. system smarter.

Some OpenAI employees discussed how such a move might go against YouTube’s rules, three people with knowledge of the con-

### Supplies From Internet Set to Be Depleted

versations said. YouTube, which is owned by Google, prohibits the use of its videos for applications that are “independent” of the video platform.

Ultimately, an OpenAI team

transcribed more than one million hours of YouTube videos, the people said. The team included Greg Brockman, OpenAI’s president, who personally helped collect the videos, two of the people said. The texts were then fed into a system called GPT-4, which was widely considered one of the world’s most powerful A.I. models and was the basis of the latest version of the

Continued on Page A14

## Israel Pulls Its Last Troops From a City in South Gaza

### Forces Remain Elsewhere as Mediators Push Cease-Fire at War’s 6-Month Mark

This article is by Adam Rasgon, Patrick Kingsley, Ephrat Livni and Matt Stevens.

JERUSALEM — The Israeli military said Sunday that it had withdrawn a division of ground troops from the southern Gaza Strip, as international mediators gathered with hopes of brokering a temporary cease-fire six months into a war that has now become the longest involving Israel since the 1980s.

Israel has significantly reduced the number of troops it has on the ground in Gaza over the past several months. Only a fraction of the soldiers that it deployed in the territory earlier in the war against Hamas remain.

Now, the last group of Israeli soldiers in the southern city of Khan Younis has left Gaza in order “to recuperate and prepare for future operations,” the army said. The withdrawal of the soldiers, members of the 98th Division, means that no Israeli troops are actively maneuvering in southern Gaza, the Israeli news media reported.

But Israeli officials made clear that the army would stay in other parts of Gaza to preserve its “freedom of action and its ability to conduct precise intelligence-based operations.”

The drawdown from Khan Younis, about four months after Israeli forces invaded southern Gaza, raised questions about Israel’s plans in the face of wide-

spread calls for it to de-escalate the conflict. It was also unclear what it might signal about Israel’s oft-stated plan to invade the southernmost city of Rafah, where more than a million have fled to escape the fighting.

Word that Israel had withdrawn the forces did little to calm Osama Asfour, 41, a resident of Khan Younis who has been sheltering in a tent in Rafah. Since the start of the war, the army has returned to areas of Gaza that its forces had previously left, especially in the north. Given that reality, Mr. Asfour said he had no immediate plans to head back to his city.

“The military might say it left today, but they can come back tomorrow,” Mr. Asfour, who was working at Nasser Hospital in Khan Younis, said in an interview.

Continued on Page A6



A rally in Jerusalem called for Hamas to release hostages.

## Gazans Turn to a Wild Plant To Combat Wartime Hunger

By BEN HUBBARD and BILAL SHBAIR

ISTANBUL — As the Israeli military campaign to destroy Hamas pummeled his neighborhood in northern Gaza, reducing buildings to rubble and forcing residents to flee, the Palestinian laborer realized that he was running out of food.

The shops had closed, the markets had emptied and fighting prevented supplies from reaching them. So he and his remaining neighbors gathered a plant known as khobeza that grew near their homes and cooked it to sustain themselves, he said.

“It supported us more than everyone else in the world,” the laborer, Amin Abed, 35, said recently by phone from Gaza. “People survived the darkest chapters of the war on khobeza alone.”

For many generations, the people of the Holy Land have foraged for khobeza, a hearty green with a taste and texture somewhere be-

tween spinach and kale that sprouts in knee-high thickets along roadsides and empty patches of dirt after the first winter rains. Cooks sauté it in olive oil, season it with onions or boil it into soup to make tasty, low-cost meals.

Now, this green, a variety of mallow, is making up an outsized portion of many Gazans’ diets by providing an inexpensive way to blunt hunger. At a time when most other food is largely unavailable or prohibitively expensive, Gazans can harvest khobeza themselves and cook it by itself, or with a few other ingredients.

As Israel has imposed a near-complete blockade on the territory, aid groups and United Nations officials have increasingly warned that the amount of food entering Gaza cannot feed its roughly 2.2 million people, pushing

Continued on Page A6

## For Trump’s Manhattan Judge, A Long Career of No Nonsense

This article is by Ben Protess, Jesse McKinley, Kate Christobek and William K. Rashbaum.

Inside a dreary Lower Manhattan courtroom on a recent Wednesday, Justice Juan M. Merchan convened a special session for people with mental health troubles who had landed in legal jeopardy. He calmly counseled them, praised any signs of progress and shook the hand of one man who, thanks to medication, had turned his life around.

But on April 15, a different type of criminal defendant will enter the same courtroom and test the judge’s equanimity: Donald J. Trump.

Mr. Trump’s trial on charges that he covered up a sex scandal before and after the 2016 presi-

dential election will bring a week-long maelstrom that no other judge in New York’s vast judiciary has ever experienced. It will be the first prosecution of a former U.S. president, a man who revels in attacking the legal system and its judges.

Since the Manhattan district attorney charged Mr. Trump last year, the former president has used campaign emails, social media invective and repetitive legal filings to attack the judge’s integrity and family. Last week, the former president demanded for a second time that Justice Merchan step aside, citing his daughter’s position at a Democratic consulting firm that worked for the 2020 Biden campaign.

Known as a no-nonsense, pushing back

Continued on Page A16



NATIONAL A10-17

**G.O.P. Pushes Early Voting**

A Republican group is aiming for an increase, despite Donald J. Trump’s attacks on the practice. PAGE A17

**Seeking U.S. Aid for Radiation**

People harmed by the drive for an atomic bomb have been shut out of a law enacted to help victims. PAGE A13

INTERNATIONAL A4-9

**Black Site in Lithuania**

Despite European court rulings saying the Baltic country housed a secret C.I.A. prison, the issue has been shrouded in official secrecy. PAGE A4

**A Wary Eye on the Future**

One aim of a U.S.-Japan summit this week is to strengthen ties before a possible Trump victory. PAGE A8

OBITUARIES B5-6

**A Mountain Adventurer**

Lou Whittaker, whose twin climbed Everest, was known for his devotion to Mount Rainier. He was 95. PAGE B6



BUSINESS B1-4

**Towering Tuition**

Some college students will top \$100,000 in expenses for the coming school year. Could it possibly be worth it? PAGE B1

**Tool Helps Insurers Shift Costs**

Private equity firms are backing a method bringing insurers billions of dollars and patients big bills. PAGE B1

SPORTS D1-8

**Goals Beyond Olympic Medals**

Gabby Thomas is a track and field star for the U.S. who is aiming for Paris. She is also a Harvard graduate who volunteers at a Texas health clinic and does sleep research. PAGE D1

**A Coach Looks Back**

Juwan Howard, a member of the Fab Five, reflected on several notable events that led to a loss of trust, several regrets and the end of his five-year tenure at Michigan. PAGE D3

OPINION A18-19

**David French** PAGE A18



ARTS C1-8

**A Fixation on TV Finales**

As viewers say farewell to “Curb Your Enthusiasm,” starring Larry David, above, it’s time to rethink the importance of series endings. PAGE C1

