

RELATIVITY THEORIES

Two Bangladesh scientists claim groundbreaking contribution

ANWAR ALI WITH AM JAHID, Rajshahi

Two Bangladeshi scientists at an international seminar at Rajshahi University yesterday detailed their groundbreaking claim of reconstructing the 'theory of special relativity' as well as presenting an 'alternative relativity theory', both relating to faster than light speed.

The two theories, comprising 21 equations each, define a new concept of reciprocal symmetry that attunes the theory of relativity with quantum mechanics, said the two scientists -- Dr M Osman Gani Talukder and Dr Mushfiq Ahmed, both former physics teachers of Rajshahi University.

One set of the equations including three equations by Einstein and 18 new ones complete the theory of special relativity, they said.

The other set of equations, which the physicists called non-Einsteinian relativistic case, provides an alternative relativity theory and resolves the dilemma over neutrinos faster than light speed and several problems relating to cosmological theories.

"Lorentz and Einstein



PHOTO: STAR

Rajshahi University Vice Chancellor Prof M Abdus Sobhan addresses the international seminar on 'Special Relativity' at the Senate Bhavan yesterday.

gave a transformation law for the relativistic addition of velocities only. We have found the relativistic addition laws for all other relativistic quantities of time, mass, length, momentum, and energy," Dr M Osman Gani Talukder told The Daily Star after the seminar organised by Rajshahi University in association with The Daily Star.

"Further, we have derived the multiplication rule for velocities and all other quantities. We also found the expressions of minimum and maximum values for the relativistic quantities. Einstein's theory gave us

three equations that describe contraction of space, dilation of time and variation of mass. We have derived other equations to complete the theory as well as make it compatible with quantum mechanics that describes the behaviour of very small things, like atoms and sub-atomic particles, which was earlier incompatible with Relativity theory," he said.

Osman Gani Talukder and Mushfiq Ahmed read out papers on the first day of the seminar, which was spread over two sessions.

Talukder presented papers on 'Correspondence

between Reciprocity and Discreteness' and 'Relativistic Rule of Multiplication of Velocities Consistent with LorentzEinstein Law of Addition and Derivation of the Missing Equations of Special Relativity', while Ahmed read out papers titled 'Reciprocal Symmetric Kinematics and Correspondence between Special Relativity and Quantum Mechanics' and 'Reciprocal Symmetry Quantum Statistics and Spin' in the morning session presided over by RU Vice Chancellor Prof M Abdus Sobhan.

Prof Aminul Islam of the

physics department chaired the afternoon session where Talukder and Ahmed read papers titled 'Incompatibility between Einstein's Postulates and Special Theory of Relativity', 'Non-Associativity of Lorentz Transformation and Associative Reciprocal Symmetric Transformation', 'Derivation of the Missing Equations of Special Relativity from de-Broglie's Matter Wave Concept and the Correspondence between them' and 'Derivation of Non-Einsteinian Relativistic Equations from Momentum Conservation Law'.

Earlier in the morning, Prof M Abdus Sobhan inaugurated the seminar on 'Special Relativity' at RU Senate Bhavan. Around 150 physicists from home and abroad took part in the seminar.

Talukder and Ahmed will lecture on two more topics to substantiate their claims on the second day of the seminar today.

Prof Hartmut Baerwolff of University of Applied Sciences, Cologne, Germany, will preside over the session.

School kids vow to save trees, environment

A CORRESPONDENT, Rangpur.

School kids at an event on the premises of Rangpur Town Hall on Friday pledged to protect trees and save environment.

Over 2,000 students from 20 schools in the district joined the function in the afternoon and vowed to save environment and work for equity and justice.

The event was organised by the Green Brick Project of the United Nations Development Programme (UNDP) as an awareness campaign to promote the cause for reducing environmental pollution and to make energy use more efficient.

The function marked the end of a three-day campaign where school children, brick manufacturers and entrepreneurs participated in various awareness

building sessions.

This was the first spell of the regional awareness campaign by the project and will be followed by the two more events in Maymensingh and Cox's Bazar over next two months.

Md Mahfuzur Rahman, secretary of Bangladesh Parliament, Jasimuddin Ahmed, divisional commissioner of Rangpur, BM Enamul Haque, deputy commissioner of Rangpur, writer Dr Jakir Talukder, Khondker Neaz Rahman, project manager, and Prof M o l o y K i s h o r e Bhattacharya spoke.

Secretary Mahfuzur Rahman in his speech urged the students to come forward to take the challenges of the 21st century and build a green country.

Divisional Commissioner Jasimuddin Ahmed said the existing brick kilns have

been causing huge amount of carbon emission as well as deforestation, making adverse impact on environment, biodiversity and human health.

He urged the entrepreneurs to use environment-friendly green technology in setting up brick kilns to protect biodiversity, forests and human health from environmental peril.

The programme was followed by a colourful cultural show.

Green Brick Project's overall aim is to replace the 150-year-old energy-intensive conventional brick making technology with an energy efficient and smokeless Hybrid-Hoffman Kiln technology. The programme also sensitised the young generation about the green development initiative of UNDP Bangladesh.

Schoolboy hacked to death

A CORRESPONDENT, Jamalpur

A Schoolboy was hacked to death allegedly by a young man at Jamira village in Bashchara union under Sadar upazila yesterday afternoon.

The victim, Sajadul Islam, 13, son of Sanwar Hossain of the village, is a class eight student of Jhawla Gopalpur Multipurpose High School in the upazila.

Police said, one Akkas Ali, 30, son of Akkel Ali of the village, forcibly took the boy to a bamboo cluster at about 2:00pm. At one stage, Akkas stabbed him indiscriminately, leaving the boy dead on the spot.

Following the incident, local people caught the attacker and handed him over to police. The law enforcers recovered the body from the spot and sent it to Jamalpur General Hospital Morgue for autopsy.

Young man found dead

OUR CORRESPONDENT, Dinajpur

A young man belonging to an ethnic community was found dead in Birganj upazila yesterday.

He was identified as Montu Soren 30, son of late Dewan Soren of Nargun village of Thakurgaon district.

Birganj police quoting family members of the victim said, Montu Soren, came to visit Merry Maddi, a relative, at Shanka village of Birganj upazila on Friday afternoon.

Yesterday morning, he went missing, police said. In the afternoon, villagers found his body hanging from the branch of a eucalyptus tree in the area.

Drug peddlers jailed

OUR CORRESPONDENT, Chapainawabganj

A mobile court sentenced two drug peddlers to jail yesterday.

The convicts are Dulal Mia, 50, son of Idris Ali of Udayan crossing in the town and Sasthi Charan, 19, son of Anil Chandra of Baroghoria village under Sadar upazila.

Shariful Islam, sub inspector of Sadar police station said, members of Border Guard Bangladesh (BGB) arrested Dulal Mia at Birshreshtha Shaheed Captain Mohiuddin Jahangir Bridge toll plaza at around 11:40am and recovered one kg cannabis from his possession.

Earlier, police arrested Sasthi Charan with 30 grams of cannabis in the same bridge area at around 9:50am.

SNAPS AND SNIPPETS



PHOTO: STAR

State Minister for Law, Justice and Parliament Affairs M Kamrul Islam laying the foundation stone of Panchagarh Chief Judicial Magistrate court building in the compound of district judge's court yesterday. Lawmakers Nurul Islam Shujan, Mozaharul Haque Prodhan and Farida Pervin were present.

Arms recovered

OUR CORRESPONDENT, Chapainawabganj

Police recovered a pistol and a magazine at Kharakpur village of Shibgonj upazila early yesterday. Sub inspector Nur Alam Siddiqui of Shibgonj police station said, on a tip-off, a police team went to Kharakpur village and recovered the arms from Kharakpur Primary School premises in an abandoned condition at about 4:00am.

Two held with forex

OUR CORRESPONDENT, Thakurgaon

A team of Detective Branch police arrested two alleged frauds with foreign currencies at Gorea village in sadar upazila yesterday. The arrestees are Tohiruddin, 45, son of late Mohimuddin of Gopalpur village under Sadar upazila and Nadira Hasan, 25, daughter of Abdul Barez of Kotbulpur village under Rajshahi Rajpara police station. Earlier, on information a police team led by Assistant Superintendent of Police AKM Shahin Ahmed raided the village and recovered 206 US dollars, 100 bahts and other currencies of different countries from Tohiruddin's house and arrested them.

Women's body recovered

UNB, Munshiganj

Police recovered the decomposed body of a woman from Kathatola canal in Sadar upazila yesterday morning. The identity of the woman, aged about 35, could not be known immediately. Mujibur Rahman, OC (investigation) of Sadar PS said, being informed by the locals, police recovered the body from the canal at about 10:30am.



PHOTO: COURTESY

Fazle Rabbi, founder secretary of Sudhijan Pathagar in Narayanganj, handing over '12th Hossain Jamal Memorial Award' to librarian Mayen Uddin on Friday.

Librarian honoured

A CORRESPONDENT, Narayanganj

Sudhijan Pathagar, one of the oldest libraries in the district, handed over '12th Hossain Jamal Memorial Award' to Mayan Uddin on Friday. Mayan has been serving as the honorary librarian at Nazrul Public Library in Gopalganj for over the last six decades. Fazle Rabbi, founder secretary of Sudhijan Pathagar handed over the certificate and a cheque for Tk 50,000 to Mayan Uddin. Library secretary Asjadul Kibria, Ishaque and Kasem Jamal, executive members of the library among others addressed the programme while director of the library presided it. Cultural secretary Afzal Hossain moderated the award giving ceremony. Sudhijan Pathagar will organise various programmes throughout the month to celebrate its 48th founding anniversary and 60 years of Language Movement.

Over 50 Gaibandha families protest 'illegal' eviction bid

OUR CORRESPONDENT, Gaibandha

Several thousand people of Purbo and Paschim Kamornai in Gaibandha Sadar upazila formed a human chain along Gaibandha Sundarganj Road yesterday demanding a halt to the eviction of what they said legal landowners from the areas.

They alleged that the district administration served eviction notices on more than 52 families who have been living in the areas for the last 40 to 50 years with valid papers relating to their ownership and land registered deeds.

They claimed the kinsmen of Fazlur Rahman sold the land belonging to Faizur Rahman Waqf Estate to the families about 50 years ago. They have been paying land and municipal taxes for decades, they said.

Without verifying their valid documents, the district administration issued eviction notices to the families, the agitating

people alleged.

The district administration has launched an eviction drive in the areas following a petition filed by Safinaz Chowdhury, the custodian of waqf estate. Safinaz had earlier filed a writ with the High Court, seeking eviction of "illegal occupiers" from Faizur Rahman Waqf estate.

The court gave its order in favour of the waqf estate as none of the 52 families challenged the writ.

Organised by "Legal Households Eviction Resistance Committee", the human chain programme continued for two hours from 10:00am. They later staged a sit-in on the road, halting vehicular movement for two hours.

The agitating people urged the political leaders, top government officials and human rights bodies to stop "illegal eviction of legal landowners" from Purbo and Paschim Kamornai areas.

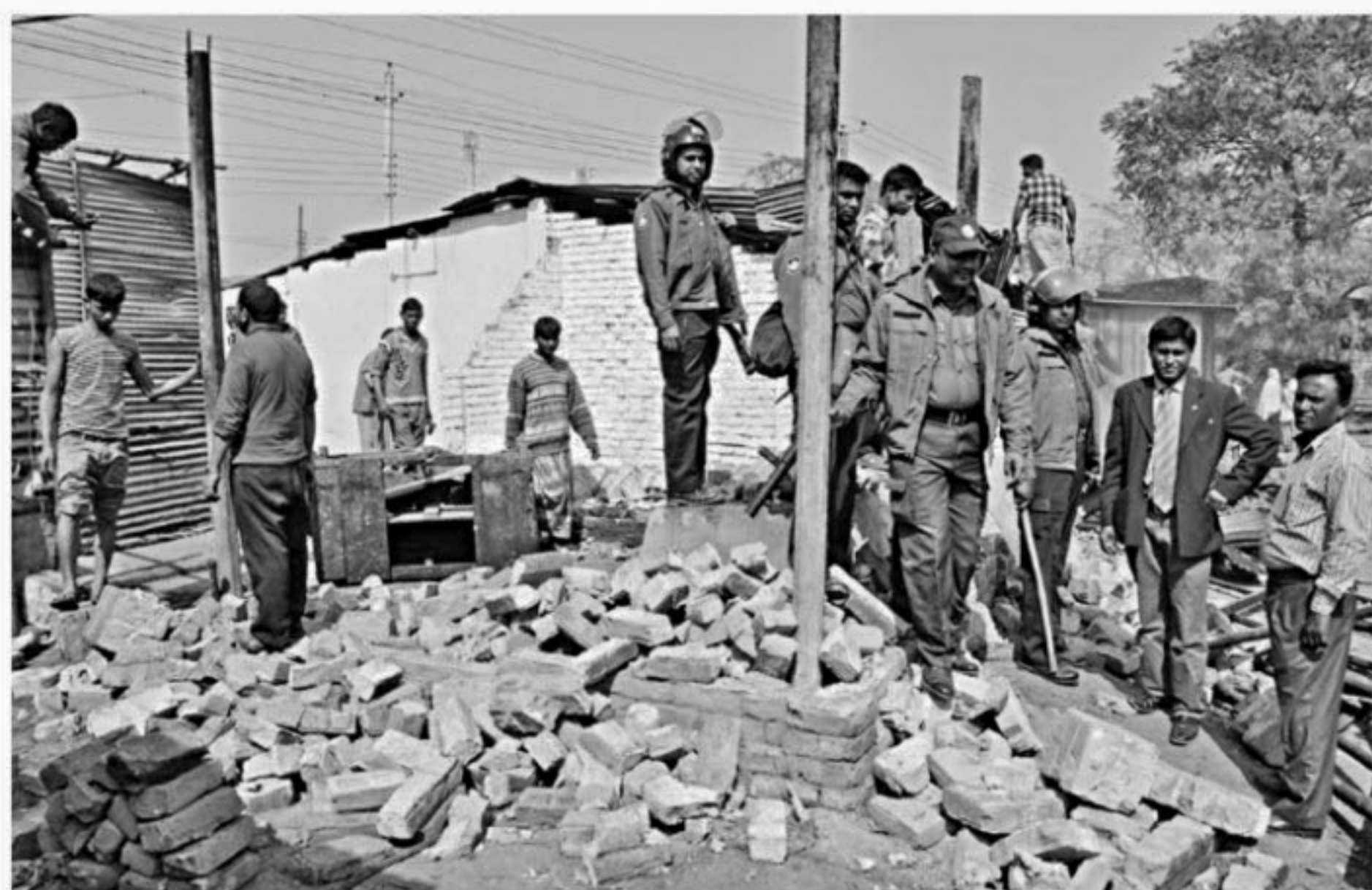


PHOTO: STAR

A mobile court led by an assistant commissioner (land) demolishes illegal structures erected on 14 decimal land of the playground of Pulhat Government Primary School in Dinajpur Sadar upazila and recovers the land from the grabbers yesterday.

Grabbed land of a school recovered after 38 years

OUR CORRESPONDENT, Dinajpur

Grabbed land of a primary school in Pulhat area of Sadar upazila has been recovered after long 38 years.

Locals said, a mobile court led by Md Abdur Rahman, assistant commissioner (Land), also an executive magistrate, in a drive at around 11:00am yesterday demolished at least 13 shops

on the land.

Sources said, a few influential people of the area occupied at least 14 decimal land of the playground of Pulhat Government Primary School in 1974 and since then they continued their businesses there.

Expressing satisfaction, Md Zakir Hossain, headmaster of the school, said that the grabbers built several structures on the land, creating various problems to the

students.

Earlier, the school took various steps to remove the encroachers, but to no effect, he said.

On February 4, local lawmaker Iqbalur Rahim visited the school. Teachers and students urged him to remove the illegal structures on the land, said school sources.

There are 240 students of the school built on 44 decimal of land.

Jatka seized from 7 more launches

OUR CORRESPONDENT, Munshiganj

Coastguard members in fresh drive seized 80 more maunds of jatka (hilsa fry) from seven launches in Dhaleswari River in Sadar upazila early yesterday.

However, no one was arrested in this connection, said coastguard sources.

Coastguard CPO Safiul Islam said they raided MV Prince of Barisal, MV Farhan, MV Pubali, MV Panam, MV Dwipraj-4, MV Swadhin and MV Pinak and seized the illegal fries.

Later, the seized jatkas were sold at an auction in presence of upazila senior fishery officer MA Azad and the money was deposited to

the government exchequer.

On Thursday, around 160 maunds of jatka were seized from four other launches, according to coastguard officials.

Acting on a tip-off, a team of coastguards intercepted the Dhaka-bound MV Panama, MV Zahid-3, MV Tipu-2 and MV Prince of Shohag and recovered the hilsa fries.

None was arrested in this connection.

The government banned catching of jatka from February 1 to May 31.

The coastguards in separate drives so far seized 290 maunds of jatka and recovered 1.17 lakh pieces of current net in the area from February 4 to Feb 11.



PHOTO: STAR

One of the shops damaged during BCL factional clashes on Friday night at Matlab Bazar in Dakkhin Matlab upazila of Chandpur. The clashes started on Wednesday allegedly between the supporters of two local leaders over the formation of convening committee of BCL. Several people were injured while six arrested on filing of case against 13.