

# Mamakating Library goes 3D

## Printing education and opportunities to residents

BY SHARON MACGREGOR

WURTSBORO — Approximately 20 residents from elementary school age to senior citizens attended the 3D printing workshop at the Mamakating Library on June 30. The demonstration was conducted by Columbia University graduate student William Bodell.

Participants were given a history and overview of 3D printing before being instructed in CAD (computer aided drafting) basics, then creating their own object to be constructed with the printer. "What interested me the most about 3D printing was learning about the potential impact on rural economic development for home-based manufacturing as well as being able to introduce this

technology to young children who may be able to discover additional uses for it," said Peggy Johansen, the Director of the Mamakating Library.

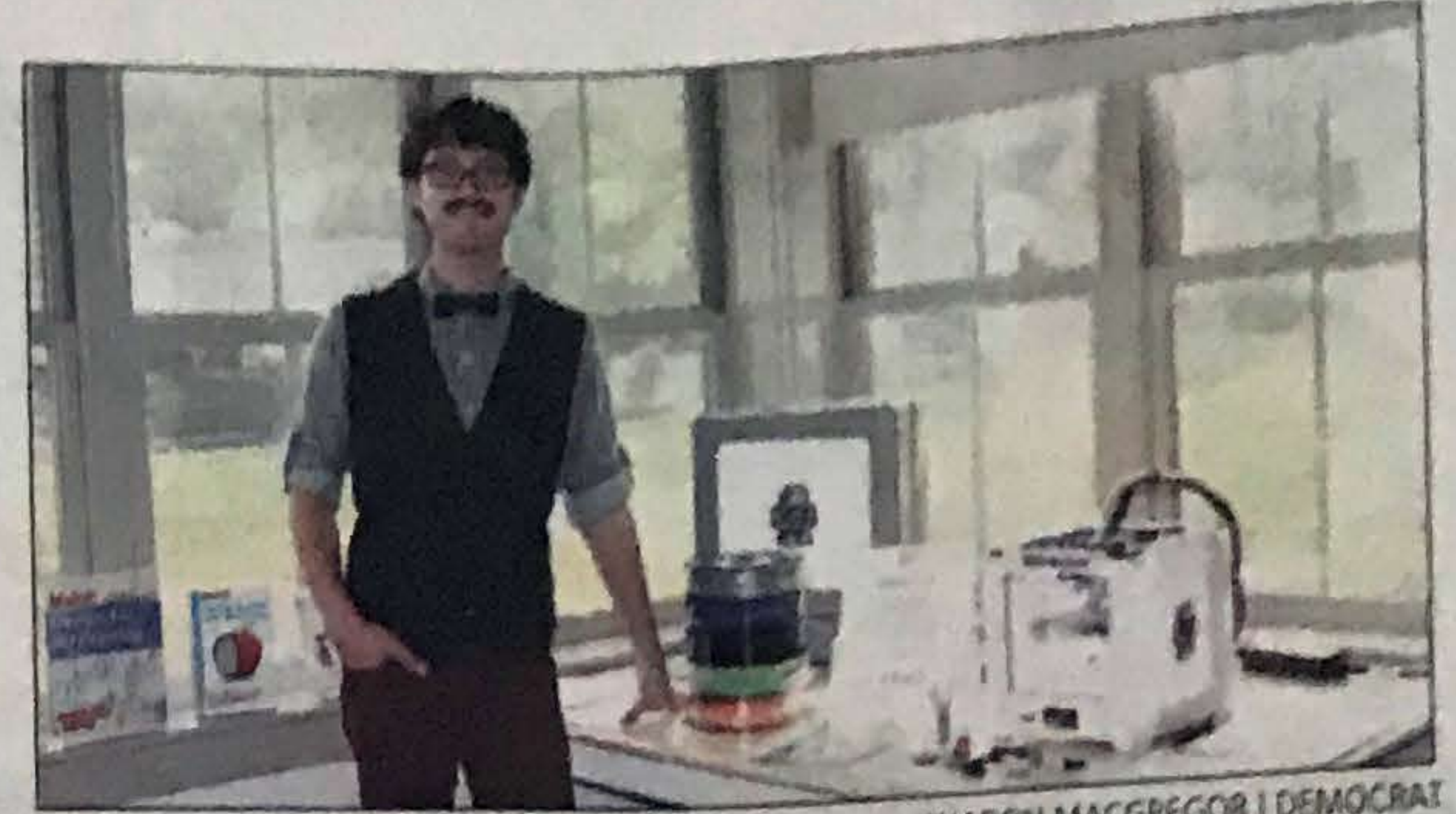
Johansen described the behind the scenes process involved to make the event happen. "This took about a year of planning. To acquire the 3D printer, we pooled funds with other Sullivan County libraries then collaborated to schedule training. We are hopeful the printer will be available at each library and it will be permanently housed at the Monticello Library."

The printer itself is relatively light and designed to be mobile. Therefore, items printed cannot be larger than 5 cubic inches. The material used to construct items is a plastic filament which is on spools. The action of the printer can be compared to that of a sewing machine if the needle motion was altered to lay the material down on itself rather than

going in and out of fabric.

"We are offering another class on Friday, July 8 from 6:30 - 8:30 p.m. The second workshop will be conducted by Thomas John Bosket and Isaac Green Diebboll of ENGN, which is a local educational organization for social, civic and creative investigation. The main focus will be around how 3D printing can include rural economy as well as the safety, freedom and legality of 3D printing. Information for this class by calling 845-888-8004," Johansen said.

Upon the conclusion of the event, Bodell said, "I think what surprised participants the most was the variety of applications for 3D printing.



SHARON MACGREGOR | DEMOCRAT

Columbia University graduate student William Bodell gave a hands-on 3D printer demonstration at the Mamakating Library.

From printing entire buildings out of concrete to working blood vessels made of living cells, the number of materials and methods is growing every day. So while printing plastic figurines can be a fun hobby, advances in the technology are creating new and profound ways for the process to improve aspects of daily life."

The printer will be available until Saturday, July 9 and self-designed objects may be printed for a \$1 per hour fee. Check the Mamakating Library website at [www.MamakatingLibrary.org](http://www.MamakatingLibrary.org) for more information about the 3D printer as well as future classes and workshops.

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### MEETINGS

#### FRIDAY, JULY 8

Sullivan County Ethics Board mtg., 10 a.m., Legislative Committee Rm., Sullivan County Gov't Ctr., Monticello.

#### MONDAY, JULY 11

County of Sullivan Industrial Development Agency mtg., 11 a.m., Sullivan County Government Center, Monticello.

Bethel Planning Board mtg., 7 p.m., Dr. Duggan Community Center, White Lake.

Callicoon Town Board public hearing, 7:15 p.m., Town Hall, Jeffersonville.

Liberty Town Board mtg., 6 p.m., Town Hall, Liberty.

Liberty Joint Fire District Board of Fire Commissioners mtg., 7 p.m., Liberty Firehouse.

Sullivan County Soil & Water Conservation District Board of Directors mtg., second Monday of each month, 8 p.m., Cornell Cooperative Ext., Liberty.

Cochecton Fire District mtg., 7 p.m., Lake Huntington Firehouse.

Fallsburg Town Board legislative mtg., 6 p.m., Town Hall, South Fallsburg.

Sullivan County Industrial Development Agency (IDA) mtg., 11 a.m., Legislative Committee Room, Gov't Ctr., Monticello.

Tusten Zoning Re-Write Commit-

tee mtg., 6:30 p.m., Town Hall, Narrowsburg.

Village of Liberty Board of Trustees mtg., 7 p.m., Village Hall, Liberty.

#### TUESDAY, JULY 12

Highland Town Board public hearing, 6:45 p.m., Town Hall, Eldred.

Thompson Zoning Board of Appeals public hearing, 7 p.m., Town Hall, Monticello.

Village of Monticello Planning Board mtg., 6 p.m., Village Hall, Monticello.

Delaware Town Board special workshop, 3:30 p.m., Town Hall, Hortonville.

Kauneonga Lake Fire District Board of Fire Commissioners mtg., 7 p.m., Kauneonga Lake Firehouse.

Tusten Town Board mtg., 6:30 p.m., Town Hall, Narrowsburg.

Tusten Local Development Council mtg., 5 p.m., Town Hall, Narrowsburg.

#### WEDNESDAY, JULY 13

White Sulphur Springs Fire District Board of Commissioners mtg., 7 p.m., White Sulphur Springs Firehouse.

New York State Department of Transportation and Pennsylvania Department of Transportation Joint Interstate Bridge Commission mtg., 6:30 p.m., Tusten Town Hall, Narrowsburg.

### It's a small world...

FLORIDA — When Christian Phillip Finch boarded a flight at Stewart Airport in Newburgh to fly back home to Orlando, Florida earlier this week he didn't expect to get a seat next to Sullivan County's own Lynn McDonald.

And even further from his mind was the fact that Lynn would be reading the Sullivan County Democrat.

While exact details of the conversation are still unknown, Christian introduced himself as the nephew of Democrat publisher Fred Stabbert III and Lynn introduced herself as long-time friend of the publisher and an accomplished referee and retired banker.

"It's great how some things work out," Stabbert said. "I always told by nieces and nephews I was keeping an eye on them... and now they know."

Christian is the son of Billie and Peter Finch of Riverview, FL, where he lives with his wife, Beth, and children Emily and Peyton.

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### WEATHER

Fri 7/8	Sat 7/9	Sun 7/10	Mon 7/11	Tue 7/12
91/65	84/60	75/57	82/55	85/59
Generally sunny despite a few afternoon clouds. A stray shower or t-storm is possible. High 91F. Winds W at 5 to 10 mph.	Morning t-storms. Highs in the mid 80s and lows in the low 60s.	Partly cloudy. Highs in the mid 70s and lows in the upper 50s.	More sun than clouds. Highs in the low 80s and lows in the mid 50s.	Mostly sunny. Highs in the mid 80s and lows in the upper 50s.
Sunrise: 5:32 AM Sunset: 8:34 PM	Sunrise: 5:33 AM Sunset: 8:33 PM	Sunrise: 5:34 AM Sunset: 8:33 PM	Sunrise: 5:34 AM Sunset: 8:32 PM	Sunrise: 5:35 AM Sunset: 8:32 PM

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