**For a calendar of technical society meetings in the Mid-Hudson Valley go to:**
https://pok.acm.org/community.html

**Poughkeepsie Chapter of the Association For Computing Machinery**

```
   aaa          ccccccc       mmmmm   mmmmm
  a   a        cc     cc     mm mm   mm mm
 aa   aa      cc       c     mm  mm mm  mm
aaaaaaaaa     cc             mm   mmm   mm
aa    aa      cc      c      mm    m    mm
aa    aa      cc     cc      mm         mm
aa    aa       ccccccc      mm         mm
```

***MEETING NOTICE***

***Free and open to the public***

**Topic:** **Experimental Math on Wisteria Tables**

**Speaker:** **Bill Collier**

**When:** **Monday, October 15th, 2018, 7:30 pm**

**Where:** **Marist College, Hancock Center, Room 2023**

**Directions:** **Building 14 on the map at www.marist.edu/about/map**

**Parking:** Please park at black dot #10 on www.marist.edu/about/map (the lot North of the Hancock Center #14) or in the lot on the South-East corner of Route 9 & Fulton St. (S/E of the former Main Entrance).

**About the Topic:** "Experimental mathematics is an approach to mathematics in which computation is used to investigate mathematical objects and identify properties and patterns." Eric W. Weisstein, quoted in **Wikipedia**.

The Online Encyclopedia of Integer Sequences (OEIS) contains over 300,000 integer sequences. To browse it is to rekindle a childhood wonder at how fascinating mathematics can be. A math problem provided by Marist College Prof. Joe Kirtland a year ago led me to arrange 30 of the known OEIS sequences into a table, which was published at OEIS.org/A299741. I found four very different algorithms which generate the table. I called the table a wisteria table because of the many interconnections it exhibits, reminiscent of the wisteria plant. Further rummaging through OEIS helped to identify other tables and more algorithms.

This work is exploratory and unfinished. No neat theorems explain the how and why of the observed behaviors. There is magic and mystery here. Many unanswered questions suggest avenues for further work.

**About the Speaker:** Bill Collier was a programmer at IBM and an entrepreneur at Multiprocessor Diagnostics. He is the author of *Reasoning About Parallel Architectures* (Prentice-Hall, 1992). He has an AB in math from Harvard and masters degrees from Syracuse University in both math and computer science. He has been a member of the Poughkeepsie Chapter of the ACM since its founding in 1961.

**Cost:** **Our meeting is Free and open to the public**

**Dinner:** **6:00 pm, Palace Diner, 845.473.1576**
**Map and menu: www.thepalacediner.com**
**All are welcome to join us for dinner.**

**We thank Marist College for hosting the chapter's meetings.**

**P - L - E - A - S - E  P - O - S - T**

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