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Editorial

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SCIENCE BULLETIN

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EDITORIAL

Nothing will more largely contribute to the teacher's peace of mind or to the pupils' efficiency than proper foresight for the fall. A two or three day incarceration in your empty and silent laboratory and classroom some time between the closing and reopening of school should represent a good investment. During this voluntary exile, put to yourself a few questions and motorize the answers.

What equipment must be purchased to replace or supplement the present stock? Late orders to supply houses arrive at their busy season and may mean delayed shipments. Is there an alphabetical list prepared of the stock of equipment, and the quantities? This means applying business science to laboratory science. Is any of the equipment rusted or tarnished? Paint, sand paper, steel wool and polishing powders will solve the problem. Do the stock room, the bottles or the specimens need rearranging or relabelling? A little planning, a few labels and colorless shellac can work wonders.

Do some of the library books need rebinding or the files of bulletins and pamphlets extended? Reports and supplementary references from pupils can be valuable in direct proportion to the size of your library. Why not add to your displays through the courtesy of various manufacturers? Lists of houses which furnish educational displays are available. Have you planned a series of outside activities, such as science club, visits to local industries, field trips, public displays of class work, county fair exhibits and the like? These activities tend to be conspicuous by their absence but they are fully worth while.

We must close this list or the reader may decide that his task is not one of three days but of three months. Yet it pays big dividends. Don't speculate about it; invest in it.

Science Bulletin closes its first volume with this issue. We have

sought ever to keep in mind the science teacher in service and to offer to these teachers only such subject matter and methods as would fill a need in the classroom, laboratory or field. That we have in some measure succeeded is indicated by the many kind and appreciative comments which have reached us. The generous co-operation of our contributors has made possible the well-filled pages and prompt publication.

Plans are going forward for the nine issues of the second volume. The present editor will spend next year at a university in chemical research, but the new staff will "carry on," and with greater efficiency. They will welcome from the readers any suggestions which will make Science Bulletin more helpful to the teacher in service. "If we have served, we have succeeded." We wish you a pleasant vacation.

TEACHERS' COURSES

Special courses for teachers of science are offered at this college. A three hour course in teaching biological sciences offers training in subject matter and methods as applied to the classroom, laboratory, and field. A physics teachers' course will be offered this summer, open to those who are actually teaching physics or who have had two years of college physics. This course deals directly with the problems of the high school classroom and laboratory.

MOLECULAR FORCES

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form. If fresh water and soapy water are dropped from the end of a tube, the fresh water drops will be much the larger. This also shows the greater intensity of the surface tension of fresh water. Ten drops of different liquids, for instance, do not represent the same bulk since each liquid has a different surface tension.

The drop-forming power of surface tension has been utilized in the manufacturing arts. Melted lead is poured through a fine sieve mounted high in a tower and the little liquid masses quickly assume a spherical shape before reaching the cooling bath of water below.

L. BEGEMAN