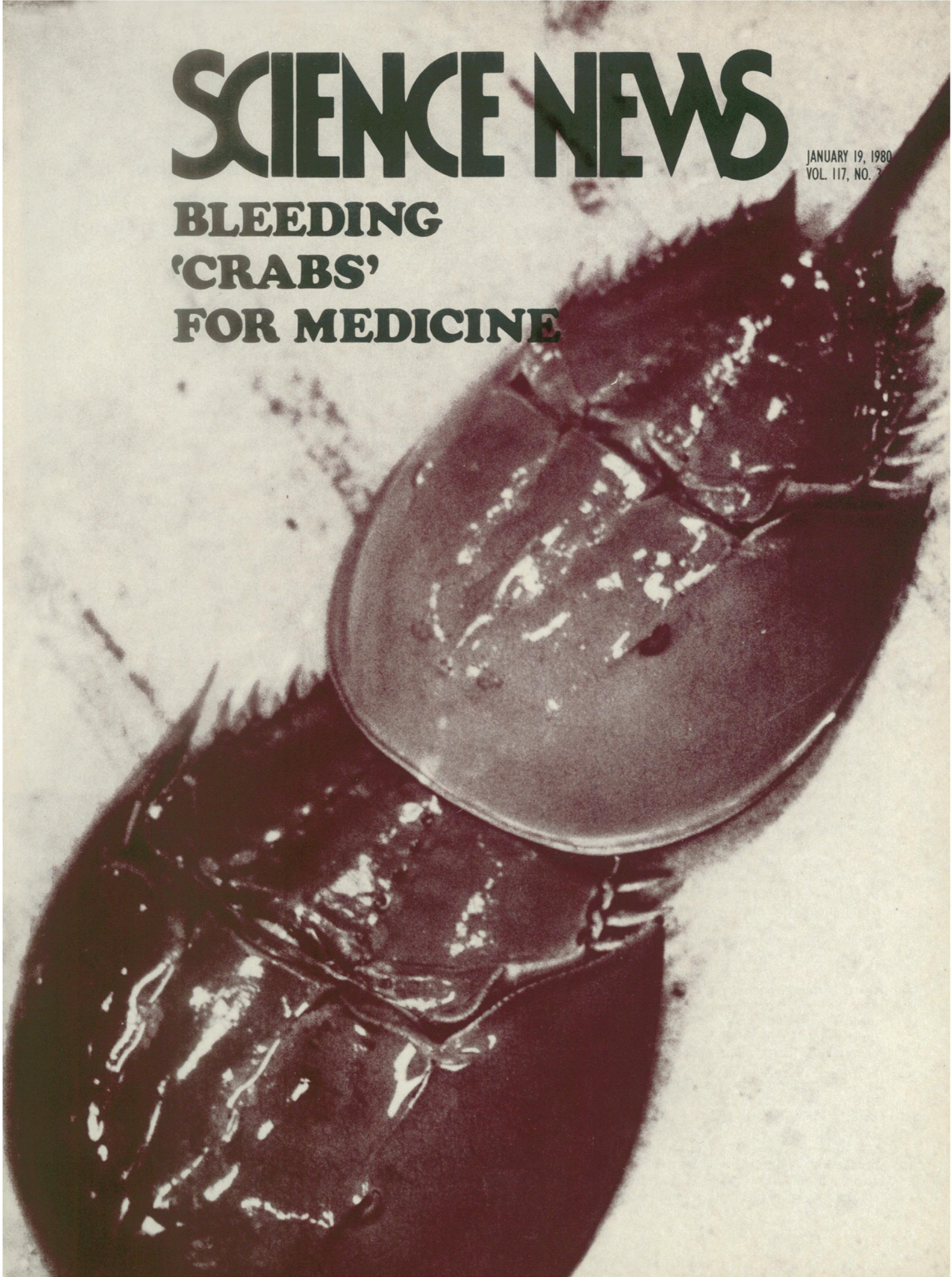
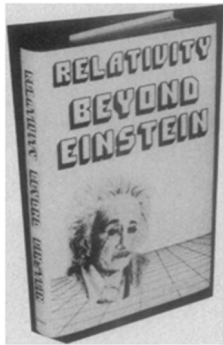


SCIENCE NEWS

JANUARY 19, 1980
VOL. 117, NO. 3

**BLEEDING
'CRABS'
FOR MEDICINE**





If you believe the “last word” has been said on the Special Theory of Relativity—then see if you can explain the inconsistency that appears in the original work: (see box below)

In Einstein's original work on special relativity, there is proposed a body moving along the x axis of a three dimensional cartesian coordinate system. This motion is called longitudinal motion. Space contraction is deemed to take place along the longitudinal axis as a result of this motion.

Time dilation is also calculated along the longitudinal axis.

However, what is generally accepted as the mass increase is calculated along the *transverse* axis and is called the “Transverse mass.” This axis is, of course, orthogonal to the longitudinal axis (and line of motion).

There is also given a “Longitudinal mass” calculated along the x axis. However, it is quantitatively the *cube* of the accepted transverse mass and consequently of great disparity.

Patently, where the energy or momentum of a particle is absorbed in the longitudinal direction, experiment should reveal the longitudinal mass as being operative. Neither experiment nor contemporary theory show this.

Where $\beta = 1/\sqrt{1 - v^2/c^2}$, kinetic energy is $(\beta - 1)mc^2$, and momentum is $\beta m v$. But by the special theory (§10) these should be $(\beta^3 - 1)mc^2$ and $\beta^3 m v$. Since this is not the case, then isn't the theory inconsistent?

V. VERGON

Relativity Beyond Einstein (by V. Vergon) does not attempt to discredit nor patch up the Special Theory of Relativity. Instead, it displays a new parallel theory that dissolves the discrepancies of the former theory [e.g. the “time paradox,” addition of velocities, etc.] . . . **and then goes beyond** to additional accomplishments. These are the results of The Dual Velocity Theory of Relativity which shows there are *two* simultaneous perspectives to any given velocity, dependent, as ever, upon the observer. It is shown *how* the observation of these perspectives gives rise to aberrations of mass, time, and space that manifest as mass increase, time dilation, and space contraction. The mechanistic cause of these aberrations is explained in detail; such cause being the interaction of light with fast moving bodies. This is not too dissimilar from the originating concept of Einstein as evidenced by the title of his 1905 paper on relativity: “On the Electrodynamics of Moving Bodies.”

However, the slightly different approach of Vergon leads to a much greater productivity. Not only are the aberrations of space, time, and mass

explained *causally*, but as a consequence, new frontiers are opened. The quantum is shown to be a free standing force field that has mass. The mass and energy of the field are determined—and shown to be absolute. This in turn leads to a new explanation of subatomic reactions, a new concept of energy as well as mass energy conversions, and a showing that photons of the electromagnetic spectrum are composed of a multiplicity of quanta, their number being directly proportional to the frequency (thus accounting for the energy of photons being related to their frequency). The Dual Velocity Theory of Relativity is shown to be compatible

with Heisenberg's Uncertainty Principle, de Broglie's matter waves, Yukawa's concept of range for virtual particles, and other apparently disparate disciplines. There results, in effect, a whole new physics.

What is truly amazing is Vergon's ability to display his theories with simple [high school] mathematics. A more mathematically erudite approach can be used—but is not necessary. Therefore everyone [scientist, student, and teacher] can read and benefit from this work.

Please be advised that this first edition of *Relativity Beyond Einstein* is nearly exhausted. The second edition will not be available for one to two years. This announcement will be the last offer; there will be none other. So if you are interested, **the time to order your copy is now!**

The four corollary monographs offered in the box to the left are material that will be incorporated into the second edition.

Unifying the Einstein-Heisenberg Dichotomy is particularly interesting for it gives a *physical explanation* for the constancy of the velocity of light.

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