theory calculations using $G_{\text{true}}$ will be free from coincidence limit divergences. For example, it has been shown (in ref. 13) that the one-loop effective action is finite when gravitational effects are taken into account.

CONCLUSION

It was always hoped that Planck length will play a crucial role in quantum gravity. Analysing the conformal degree of freedom, one is led to envisage a far more fundamental role to Planck length. It provides a universal "lattice spacing" for the spacetime.

2 May 1985


6. Padmanabhan, T., Class. Q. Gravit., 1984, 1, 149.

NEWS

FROM THE PASTURE TO THE HUMAN BODY

... "Collagen Corp. [Palo Alto, Calif.] gets its collagen [a wrinkle-smoothing substance that, when injected under the skin, is accepted as part of the body's connective tissue] from cow hides and bones and has been selling its products under a license obtained from Stanford U. when the ... company was founded in 1975. Although collagen from all animals is remarkably similar in molecular structure, small differences cause rejection. Collagen Corp. purifies cow collagen by cleaving away the portions of the molecules that are most different from their human counterparts. The result of the more than 150,000 people who have received bovine collagen injections, mainly under their facial skin, only 1.3% have had adverse reactions—most of them no more serious than an inflammation the size of a mosquito bite. ... The aim all along has been to use facial injections of bovine collagen as a cash cow to expand into potentially larger markets. Toward that end, Collagen has developed a variety of the protein in which the molecules are cross-linked so that they more closely resemble the structure of human collagen. The new substance stays longer in the body; it can treat bigger scars and blemishes than the existing varieties and should enable the company to enter new areas of body repair."