

new 2nd edition for Christmas 2020, A Home School Course in
Elements of Physics much like Fanny Farmers for Cooking

“YES VIRGINIA, QUANTUM MECHANICS CAN BE
UNDERSTOOD”

the title taken from a quote by the well know turf expert and sometimes
field theorist

Bertram W. Wooster

*A tale of how Bertie & Jeeves backed into Einstein's idea of a
unified field theory.*

by

John P. & Michael J. Wallace



PHYSICS TODAY IS DONE BY PRESS RELEASES AND WEB VIDEOS THAT ARE NOT VERY USEFUL IF YOU ARE GOING TO HOME SCHOOL IN THE SUBJECT. TO USE PHYSICS ONE SHOULD KNOW THAT THINGS LIKE MASS, CHARGE, SPIN, AND THE FOUR FORCES COME FROM THE STRUCTURE OF FIELDS AND MATTER. THE STRUCTURE OF FIELDS AND MATTER COME FROM AN ACCURATE RELATIVISTIC CONSERVATION OF ENERGY USING LITTLE MATHEMATICAL OVERHEAD. NOT VERY CONFUSING. SOME HOW THIS SIMPLICITY HAD TO BE AVOIDED TO EMPLOY LEGIONS OF POLITICALLY CORRECT ACADEMICS AND ADMINISTRATORS. THIS IMPEDIMENT TO LEARNING CAN BE AVOIDED WITH A PRINTED BOOK "YES VIRGINIA, QUANTUM MECHANICS CAN BE UNDERSTOOD" THAT CONTAINS A HISTORY AND DERIVATIONS OF THE BASICS EQUATIONS OF PHYSICS SHOWING THE CONNECTIONS OF STRUCTURES TO PROPERTIES.

A FASHIONABLE, YOUNG, AND NORMALLY LEVEL HEADED GIRL, VIRGINIA, THOUGHT STUDYING PHYSICS WOULD BE THE THING TO DO. QUICKLY SHE REALIZED SHE HAD MADE A MISTAKE BECAUSE WHAT SHE FOUND WAS PHILOSOPHY, NOT PHYSICS. NEEDING SOME SANE HELPERS TO BRING LIGHT TO THE SUBJECT. SHE RECRUITED BERTIE, AND JEEVES TO TAKE UP THE CHALLENGE OF UNDERSTANDING QUANTUM MECHANICS WHICH OPENED UP PHYSICS AS A WHOLE. IN A GRAND TOUR ON AN OLD SAILING VESSEL WHILE AIDING A SOW IN DISTRESS ISOLATED FROM SCHOOLS, THE INTERNET, ORGANIZED SCIENCE, AND THE POPULAR SCIENCE PRESS, THEY FOUND THE TASK WAS PIECE OF CAKE.

THE ACTION OF OUR STORY IS TRIGGERED BY AN EU DIRECTIVE TO NORMALIZE PORK PRODUCTION, ELIMINATING NON-CONFORMING BREEDS THAT PUTS A BELOVED AND OVERLY LARGE SOW IN DANGER OF AN EXPERIMENTAL PROGRAM TO AUTOMATE FAUX SCHNITZEL PRODUCTION BY USING ACCELERATOR BEAM TECHNOLOGY TO THINLY SLICE THE HOG SO PORK COULD BE PASSED OFF AS VEAL. THIS RELATIVISTIC CLEAVER HAD TO BE STOPPED.

OUR CHARACTERS

VIRGINIA, OUR HEROINE, A GIRL STUDYING PHYSICS AND ITS HISTORY AS ONE OF THE POLITICALLY CORRECT FASHIONS OF THE DAY. SHE LIKES TO USE BERTRAM LIKE A HUNTING DOG TO FETCH.

BERTRAM WILBERFORCE WOOSTER, DESCENDANT OF WILBERFORCE IS TOTALLY WITHOUT PREJUDICE, A VACUOUS BUT HONEST YOUNG MAN, COLLECTS STAMPS WITH AN INTEREST IN GAMES OF CHANCE. BERTRAM WAS DRAWN TO QUANTUM MECHANICS AS A STATISTICAL SCIENCE TO GIVE HIM AN EDGE AT GAMBLING.

CLARENCE, SINGLE-MINDED BREEDER OF THE EMPRESS, A PRIZE WINNING FAT PIG, AND HARD-NOSED EXPERIMENTALIST WHEN IT COMES TO PIG SCIENCE AND VIRGINIA'S GUARDIAN.

RODRICK SPODE, GLOBAL SCIENCE PRESS BARON, FASCIST LEADER OF THE BLACK SHORTS, REPRESENTATIVE SCIENTIFIC POLITICIAN, WHOSE PREDICTION OF AN ICE AGE WAS AWARDED A NOBEL PRIZE BY THOSE GRATEFUL IT DID NOT OCCUR AND IS NOW WAITING FOR A SINECURE AS DIRECTOR OF THE IAS. THE IAS, IN JEEVES DROLL HUMOR, IS THE INSTITUTE FOR ADVANCED STUPIDITIES.

JEEVES, WHO LIKES FISHING, THE SEA, AND IS OUR NATURAL PHILOSOPHER IN WAITING.

EMPRESS, A LARGE SOW OF UNKNOWN ORIGIN DISGUISED AS A BERKSHIRE WINTERING AT A FARM IN THE APENNINES WITH HER FAVORITE BOAR, RUFFY.

A CREW OF VENETIAN SAILORS TO KEEP THINGS INTERESTING ALONG WITH TWO CHESAPEAKES TO INSURE THE INTERESTS OF THE EMPRESS.

THE CHAPTERS

FASHION COMMITTEE SCIENCE LED BY FASHIONABLE NON-EMPIRICAL PHILOSOPHERS YIELDED FLAWED QUANTUM MODELS.

SPACES MATHEMATICIANS IGNORING EXPERIMENT FAILED TO INCLUDE THE BASIC SPACE FOR CREATING A PARTICLE.

FAUST AND THE NEUTRINO RELATIVITY YIELDS THE BASIC EQUATIONS OF QUANTUM MECHANICS.

DIMENSIONS STATISTICAL INDEPENDENCE DEFINES A NEW QUANTUM SPACE PRODUCING INFORMATION, MATTER, AND FIELDS.

INFORMATION INFORMATION'S LIMITED FORMS PRODUCES THE QUANTIZED FIELDS FOR BOTH PHOTON AND NEUTRINO, AND ALSO DEFINES THE TWO FAMILIES: FERMIONS AND BOSONS.

QUANTUM ROULETTE STRUCTURAL DERIVATION OF SPIN FOR PARTICLES AND FIELDS BURIES THE ABSTRACT FANTASY ABOUT SPIN.

FORCES STRONG FORCE COMPLETES THE CONTACT INTERACTION FORCES AND THE STRUCTURE OF ALL THE NEUTRINOS ARE EXPOSED.

LANDFALL GRAVITY, STRONG FORCE BINDING, AND THE NOT-SO-STANDARD MODEL COMPLETES THE TRIP TYING THE FOUR FORCES TO BERTIE'S FAIR-GAME.

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