

NT matters (wrapping things up)

Diophantus was the premier number theorist,
Thousand years thereafter Fermat got the matter's gist;
Gauss, Lagrange and Euler mastered reciprocity,
Kummer's ideal numbers brought him immortality...

*Wake up from your slum-bers,
al-ge-bra-ic-num-bers!*

Monic polynomials that somehow minimise,
non-uniqueness problems when you try to factorise,
irreducibility and non-primality,
UFD's and PID's... oh sheer insanity!

*Fight all that en-cum-bers
al-ge-bra-ic-num-bers!*

An algebraic integer, contained in \mathbb{Q} root d ,
is factored into primes if \mathcal{O} sub d 's a UFD.
The way in which they factor just depends on $d \bmod p$,
and p is ramified or split, or else inert, you see?

*We've tamed—ay, ca-ram-bas!—
al-ge-bra-ic-num-bas!*

H.G.