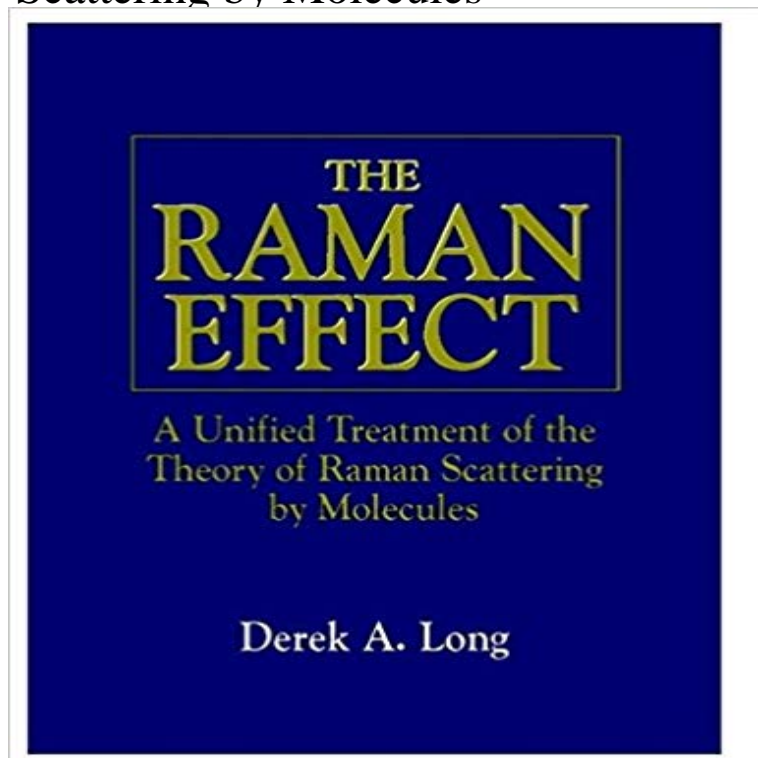


# The Raman Effect: A Unified Treatment of the Theory of Raman Scattering by Molecules



Presents a unified theoretical treatment, which is complete and rigorous but nonetheless readable. The theoretical treatment requires a variety of mathematical and physical tools. To keep the main text uncluttered, these tools are developed in comprehensive Appendices to which cross-references are made in the main text. These Appendices also ensure that the main text is useful to readers with a wide variety of scientific backgrounds and experience. These include not only spectroscopists, but also chemists, physicists, biochemists and analytical chemists. The presentation is such that postgraduate and postdoctoral students as well as more established research workers will find it valuable. About the Author The author was formerly Professor of Structural Chemistry and Director of the Molecular Spectroscopy unit in the University of Bradford. He is distinguished for his original scientific work in a number of areas of Raman spectroscopy. His book, Raman Spectroscopy, published in 1978 and long out of print, was highly successful. He has been co-editor of many books including the Specialist Reports on Molecular Spectroscopy, published by the Royal Society of Chemistry; he retired as Editor-in-Chief of the Journal of Raman Spectroscopy in December 1999.

Agradable ruta realizada junto al Bilbao Alpino que parte desde la localidad alavesa de Guinea, en la vertiente Sur de la sierra de Arkamo y que discurre por las cimas de Olvedo, Pelistornes y Cantoblanco.

Desde Guinea el camino es muy evidente, ya que las dos primeras cimas están muy cerca y separadas por un pequeño collado. Su subida es corta y casi directa y está señalizada justo a la salida del pueblo.

Al Olvedo se llega relativamente rápido. A pesar de que las nubes a veces nos impiden apreciar las vistas, el paisaje se intuye precioso.

2017-01-22\_10-36-17

Para pasar del Olvedo al Pelistornes tan sólo tenemos que cruzar el collado y llegaremos en apenas 10 minutos a nuestra segunda cima del día.

2017-01-22\_10-53-02

Una vez coronadas las cimas anteriores hay que continuar la travesía en dirección a la al Cantoblanco, que se asciende tras un durillo cortafuegos.

20170122\_123405

Desde la cima tenemos justo en frente el Montemayor, máxima altura de la vecina sierra de

Arkamo.2017-01-22\_13-00-09

Finalmente, iniciamos el descenso hacia la curiosa localidad de Salinas de Añana...

20170122\_142807

...donde podremos completar la ruta con una visita a las propias Salinas.

20170122\_142812

Una ruta de unos 15 kilómetros sin dificultades reseñables. Únicamente se hace necesaria logística de vehículos. De no tener esta facilidad entonces es mejor realizar únicamente la subida al Olvedo y Pelistornes.

Tu voto:

Publicado en Araba, Rutas fáciles | Deja un comentario

Los Retos de 2017

Publicado el 01/24/2017 por 12meses12montes

Bueno, un nuevo año que ha pasado y uno nuevo que acaba de comenzar. 2016 fue un año muy intenso, si bien los retos que nos marcamos en un principio sólo se vieron cumplidos en una tercera parte. No fue un buen año para ellos, ésta vez la alineación de planetas se generó en pocas ocasiones.

Sin embargo, no decaemos. Cogemos el testigo y no vamos a desistir en su intento, por lo que los retos que no conseguimos cumplir en 2016 serán los que tratemos de realizar en 2017, más algunos otros, a ver qué os parecen. Seguir leyendo

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